



© vetre/stock.adobe.com

Britannica Compass

Interactive Learning Guide



Grades 6–8



Interactive Table of Contents

Instructions: Click on the chapters to access lesson links



Grade 6 Science

1. [Science and Scientific Method](#)
2. [Diversity in Plants and Animals](#)
3. [Food and Nutrition](#)
4. [Magnetism](#)
5. [Motion](#)
6. [Heat and Temperature](#)
7. [From Evaporation to Rain](#)
8. [Life Cycle of Living Organisms](#)
9. [Our Earth's Resources: Sun, Forests, and Fuels](#)
10. [The Solar System](#)
11. [The Leaf](#)
12. [The Flower](#)
13. [Fruits and Seeds](#)
14. [Cell](#)
15. [The Digestive System](#)
16. [The Respiratory System](#)
17. [The Circulatory System](#)
18. [Understanding Diseases: Transmission and Prevention](#)
19. [Habitats and Adaptations](#)
20. [Matter and Its States](#)
21. [Units and Measurement](#)
22. [Force and Friction](#)
23. [Simple Machines](#)
24. [Exploring Light](#)
25. [Exploring Magnetism](#)
26. [Elements, Compounds, and Mixtures](#)
27. [Understanding Water: Its Importance, Resources, and the Threat of Pollution](#)
28. [Air and Its Components](#)

Grade 6 Social Studies

1. [Timeline](#)
2. [History](#)
3. [Early Man](#)
4. [River Valley Civilizations](#)
5. [Mahavira and Buddha: Great Preachers](#)
6. [The Vedic Civilization](#)
7. [Rise of Kingdoms and Republicans](#)
8. [The Mauryan Empire](#)
9. [Gupta Empire](#)
10. [India](#)
11. [Governance](#)
12. [Economic Activities](#)
13. [Maps](#)
14. [Landforms](#)
15. [Water bodies](#)
16. [Agriculture](#)
17. [Minerals](#)

Grade 7 Science

1. [Modes of Nutrition and Food Synthesis](#)
2. [Soil Nutrients](#)
3. [The Digestive System](#)
4. [Heat and Temperature](#)
5. [Acids and Bases](#)
6. [Physical and Chemical Changes](#)
7. [Respiration in Plants and Animals](#)
8. [The Body's Transport System](#)
9. [Transport in Plants](#)
10. [Plant Reproduction](#)
11. [Time and Speed](#)
12. [Current and Its Effects](#)
13. [The Science of Light](#)
14. [Forests: Our Green Lungs](#)
15. [From Tap to Drain: The Journey of Water](#)
16. [Motion and Measurement](#)
17. [Energy](#)
18. [The Science of Reflection and Colors](#)
19. [Heat Energy: Transfer and Effects](#)
20. [The Nature and Journey of Sound](#)
21. [Magnetism](#)
22. [Electricity: Cells, Circuits, and Components](#)
23. [Matter](#)
24. [Changes Around Us: Physical vs. Chemical](#)
25. [Mixtures vs. Compounds](#)
26. [Atoms and Molecules](#)
27. [Metals, Non-Metals, and Metalloids](#)
28. [The Chemistry of Air and Combustion](#)
29. [Tissues: Building Blocks of Plants and Animals](#)
30. [Classification of Living Organisms](#)
31. [Life Processes](#)

Grade 7 Social Studies

1. [Kingdoms of India](#)
2. [Delhi Sultanate: 12th to 15th Century](#)
3. [Introduction to Mughals](#)
4. [Introduction to Tribal People](#)
5. [Caste System](#)
6. [Religious Movements in India](#)
7. [Regional Cultures of India](#)
8. [Rise of the Vijayanagar and the Bahamani Kingdoms](#)
9. [Equality : A Constitutional Right in India](#)
10. [State Governments of India](#)
11. [Women Empowerment in India](#)
12. [Components of Environment](#)
13. [Interior of the Earth](#)
14. [Rocks and Minerals](#)
15. [Movement of Lithospheric Plates](#)
16. [Oceans](#)
17. [Seas](#)
18. [Rivers](#)
19. [Lakes](#)
20. [Deserts of India](#)
21. [Climate and Weather of India](#)
22. [Soil in India](#)
23. [Non Renewable Energy Resources](#)
24. [Renewable Energy Resources](#)

Grade 8 Science

1. [Crop Production and Livestock Management](#)
2. [Microorganisms: Friends and Foes](#)
3. [Nitrogen Fixation and Nitrogen Cycle](#)
4. [Renewable \(Inexhaustible\) & Non-Renewable \(Exhaustible\) Resources](#)
5. [Fossil Fuels and Their Conservation](#)
6. [Combustion, Fuels, and Fire Safety](#)
7. [Forests and Wildlife](#)
8. [Reproduction in Living Organisms](#)
9. [Adolescence and Reproductive Health](#)
10. [Force and Pressure](#)
11. [Friction and Its Effects](#)
12. [Sound](#)
13. [Noise Pollution](#)
14. [Electricity and Electric Current](#)
15. [Electric Charge and Static Electricity](#)
16. [Natural Disasters: Lightning and Earthquake](#)
17. [Light](#)
18. [The Human Eye and Vision](#)
19. [Density](#)
20. [Work, Energy, and Power](#)
21. [Matter and its States](#)
22. [Molecular Theory and Conservation of Mass](#)
23. [Atomic Structure and Matter](#)
24. [Chemical Reactions and Equations](#)
25. [Reactivity Series](#)
26. [Water Chemistry](#)
27. [Carbon and its compounds](#)
28. [Plant Physiology and Transport](#)
29. [Ecosystems and Energy Flow](#)
30. [Human Body Systems](#)
31. [Diseases](#)
32. [Drug Abuse Awareness and Prevention](#)
33. [First Aid](#)

Grade 8 Social Studies

1. [Sources of History](#)
2. [Transition from Medieval to Modern Age](#)
3. [The Industrial Revolution](#)
4. [Imperialism](#)
5. [The French Revolution](#)
6. [The American War of Independence](#)
7. [American Civil War](#)
8. [Decline of the Mughal Empire](#)
9. [Rise and Expansion of British Power](#)
10. [British Policies and their Impacts](#)
11. [Revolt of 1857](#)
12. [Indian Renaissance](#)
13. [Rise of Nationalism and India's Independence](#)
14. [Legislature – Lok Sabha and Rajya Sabha](#)
15. [The Judiciary](#)
16. [The United Nations](#)
17. [Agencies of United Nations](#)
18. [The Indian Constitution](#)
19. [Secularism](#)
20. [Types of Resources](#)
21. [Land Resources](#)
22. [Soil](#)
23. [Water](#)
24. [Natural Vegetation](#)
25. [Farming](#)
26. [Agriculture](#)
27. [Industries](#)
28. [Human Resources](#)
29. [Representation of Geographical Features](#)
30. [Migration](#)
31. [Urbanisation](#)
32. [Natural and Manmade Disasters](#)
33. [Asia](#)
34. [India](#)



SCIENCE AND SCIENTIFIC METHOD

The wonderful world of science



**Britannica
School**

[Science and scientific method](#)



**Britannica
LAUNCHPACKS**

[Scientific Method](#)

Applying scientific method



**Britannica
School**

[Science](#)

Chemistry



**Britannica
School**

[Science](#)

Development of chemistry



**Britannica
School**

[chemistry](#)

Notable chemists



**Britannica
School**

[chemistry](#)

Applications of chemistry



**Britannica
School**

[chemistry](#)

DIVERSITY IN PLANTS AND ANIMALS

Diversity in plants and animals around us



**Britannica
School**

[Biodiversity](#)



**Britannica
Expedition: LEARN!**

[Biodiversity](#)



**Britannica
LAUNCHPACKS**

[The Diversity of Living Things](#)

Grouping of plants



**Britannica
School**

[Plant](#)



**Britannica
Expedition: LEARN!**

[Plant Classification](#)



**Britannica
LAUNCHPACKS**

[Plants](#)



Leaf



Britannica
School

[Leaf](#)

Exploring and observing plant roots



Britannica
School

[Angiosperms](#)



Britannica
LAUNCHPACKS

[The Types of Plants](#)

Comparing dicot and monocot seeds



Britannica
School

[Seed](#)



Britannica
Expedition:LEARN!

[Plant Reproduction](#)



Britannica
LAUNCHPACKS

[Seeds](#)

Animal movement and body parts used



Britannica
School

[Animal migration](#)



Britannica
Expedition:LEARN!

[Responding to Seasonal Changes](#)

Plants and animals in different surroundings



Britannica
School

[Habitat](#)



Britannica
Expedition:LEARN!

[Animal Habitat](#)

FOOD AND NUTRITION

Components of food



Britannica
School

[Food and Nutrition](#)



Britannica
Expedition:LEARN!

[Materials in Food Are Used for Growth](#)



Britannica
LAUNCHPACKS

[Living Things: Nutrients](#)

Cereal



Britannica
School

[Breakfast cereal](#)

Test for starch



Britannica
School

[Starch \(chemical compound\)](#)



Britannica
Expedition:LEARN!

[Materials in Food Are Used for Growth](#)



Mindful eating



[Weight Control](#)

MAGNETISM

Magnetic and Non-magnetic Materials



[Magnet and Magnetism](#)

[Using Magnets to Solve Problems](#)

[Electric and Magnetic Forces](#)

[Fields and Forces](#)

[Magnets and Magnetism](#)

Finding directions



[Magnetic compass](#)

[Electric and Magnetic Forces](#)

[Fields and Forces](#)

[Magnets and Magnetic Forces](#)

Floating Compass



[Directions \(How to Make a Floating Compass\)](#)

MOTION

Describing position



[Motion](#)

[Graphing and Describing Motion](#)

[Motion](#)

HEAT AND TEMPERATURE

Temperature



[Heat](#)

[Heat](#)

[Thermal Energy Transfer](#)

[Thermal Energy](#)

Measuring temperature



[Thermometer](#)



FROM EVAPORATION TO RAIN

Investigating Water's Disappearing Act



Britannica
School



Britannica
Expedition: LEARN!



Britannica
LAUNCH PACKS

[Water](#)

[States of Matter](#)

[Thermal Energy and States of Matter](#)

[The States of Matter](#)

Cooling effect



Britannica
School



Britannica
Expedition: LEARN!

[Condensation](#)

[Thermal Energy and States of Matter](#)

Role of clouds



Britannica
School



Britannica
Expedition: LEARN!



Britannica
LAUNCH PACKS

[Rainfall](#)

[The Water Cycle](#)

[The Water Cycle](#)

Evaporation



Britannica
School



Britannica
Expedition: LEARN!



Britannica
LAUNCH PACKS

[Chemistry](#)

[Thermal Energy and States of Matter](#)

[The Water Cycle](#)

[Precipitation](#)

Investigating Water's Disappearing Act



Britannica
School



Britannica
Expedition: LEARN!



Britannica
LAUNCH PACKS

[Water](#)

[How People Use Water](#)

[Living Things: Water](#)

LIFE CYCLE OF LIVING ORGANISMS

Living vs. Non-Living



Britannica
School



Britannica
LAUNCH PACKS

[Living Things](#)

[Living Things: Growth](#)

Essential conditions for germination of a seed



Britannica
School



Britannica
Expedition: LEARN!

[Plant \(Seed Germination\)](#)

[Plant Reproduction](#)

Life cycle of a mosquito



Britannica
School



Britannica
Expedition: LEARN!



Britannica
LAUNCH PACKS

[Mosquito \(Life Cycle and Habitats\)](#)

[Life Cycle of Animals](#)

[Life Cycle](#)



Life cycle of a frog



[Frog: life cycle](#)



[Life Cycle of Animals](#)

OUR EARTH'S RESOURCES: SUN, FORESTS, AND FUELS

Energy from the Sun



[Solar energy](#)



[Thermal Energy and States of Matter](#)



[Wind and Solar Power](#)

Forests



[Forest and forestry](#)



[Biomes](#)



[Forest](#)

Fossil Fuels



[Fossil fuel](#)



[How Do Fossil Fuels Form](#)



[Fossil Fuels](#)

Natural Resources: Renewable and Non-renewable



[Natural resource](#)



[Natural Resources](#)



[Natural Resources](#)

THE SOLAR SYSTEM

Stars and Constellations



[Constellations](#)



[Seasonal Changes in Stars](#)



[Stars](#)

Our Solar System



[Solar system](#)



[The Solar System](#)



[The Solar System](#)

The Milky Way Galaxy



[Milky Way Galaxy](#)



[Galaxies](#)



[Galaxy](#)



The Universe



[Astronomy \(The Universe\)](#)



[The Universe](#)



[The Universe](#)

THE LEAF

The Leaf



[Leaf](#)



[Plant](#)

[Plant Leaves](#)

THE FLOWER

The Flower



[flower](#)

[Pollination](#)

[pollination](#)



[Plant Reproduction](#)



[The Flower](#)

FRUITS AND SEEDS

Formation of Fruit



[fruit growing](#)

[fruit](#)



[Plant Reproduction](#)

Seed



[seed](#)



[Plant Reproduction](#)

CELL

Plant Cell



[cell](#)



[Cells](#)

[Parts of a Cell](#)

THE DIGESTIVE SYSTEM

Digestive System



[Digestive System](#)



[Organization of the Human Body](#)



[Digestive System](#)



THE RESPIRATORY SYSTEM

Respiratory System



[respiratory-system](#)

[respiratory-system](#)

[The Human Respiratory System](#)

[Respiratory System](#)

[Respiratory Diseases](#)

THE CIRCULATORY SYSTEM

Circulatory System



[cardiovascular-system](#)

[blood](#)

[exercise](#)

[The Human Circulatory System](#)

[The Circulatory System](#)

UNDERSTANDING DISEASES: TRANSMISSION AND PREVENTION

Types of Diseases



[human-disease](#)

[Epidemics and Pandemics](#)

[Infectious Diseases](#)

Modes of Transmission



[human-disease](#)

[Epidemics and Pandemics](#)

[Infectious Diseases](#)

Prevention of Diseases



[human-disease](#)

[Epidemics and Pandemics](#)

[Infectious Diseases](#)

Hygiene



[hygiene](#)



HABITATS AND ADAPTATIONS

Habitat



[habitat](#)

Adaptations in Various Habitats



[habitat](#)

[desert](#)

[mountain-goat](#)

[bird](#)

[Understanding Adaptation](#)

MATTER AND ITS STATES

Matter



[Matter](#)

[What is matter?](#)

[The Structure of Matter](#)

[The Properties of Matter](#)

Solubility in Water



[Solutions](#)

[Substances and Mixtures](#)

[Solutions](#)

States of Matter



[matter](#)

[Thermal Energy and States of Matter](#)

[The Structure of Matter](#)

[Thermal Energy and States of Matter](#)

[States of Matter](#)

Distinguishing Properties



[matter](#)

[Comparing Properties of Matter](#)

[States of Matter](#)



UNITS AND MEASUREMENT

Measurement of Length



[international system of units \(SI\)](#)

Measurement of Mass



[international-system-of-units-SI](#)

Measurement of Time



[time](#)

Measurement of Temperature



[instrumentation](#)

Measurement of Area



[measurement](#)

FORCE AND FRICTION

Definition of Force



[force](#)

Real-World Examples



[force](#)



[Forces and Motion](#)

Force of Friction



[force](#)



[What Is Friction?](#)



[Friction](#)



SIMPLE MACHINES

Simple Machines



Britannica
School

[mechanics](#)



Britannica
Expedition: **LEARN!**

[What Are Simple Machines?](#)



Britannica
LAUNCH **PACKS**

[Forces](#)

Lever



Britannica
School

[Machines](#)



Britannica
Expedition: **LEARN!**

[What Are Simple Machines?](#)



Britannica
LAUNCH **PACKS**

[Machines](#)

EXPLORING LIGHT

Rectilinear Propagation of Light



Britannica
School

[light](#)

Pinhole Camera



Britannica
School

[optics](#)



Britannica
LAUNCH **PACKS**

[Light](#)

Shadows



Britannica
School

[light](#)



Britannica
LAUNCH **PACKS**

[Optics](#)

EXPLORING MAGNETISM

Magnetic Substances



Britannica
School

[magnet-and-magnetism](#)



Britannica
Expedition: **LEARN!**

[Electric and Magnetic Forces](#)

[Fields and Forces](#)

Characteristics and Properties



Britannica
School

[magnet-and-magnetism](#)



Magnetic Fields



Britannica
School



Britannica
Expedition: LEARN!



Britannica
LAUNCHPACKS

[Earth](#)

[Electric and Magnetic Forces](#)

[Fields and Forces](#)

[Magnets and Magnetic Forces](#)

Making of Magnets



Britannica
School

[magnet-and-magnetism](#)

Electromagnets



Britannica
School



Britannica
Expedition: LEARN!



Britannica
LAUNCHPACKS

[magnet-and-magnetism](#)

[Electric and Magnetic Forces](#)

[Electromagnetic Forces](#)

ELEMENTS, COMPOUNDS, AND MIXTURES

Elements



Britannica
School



Britannica
Expedition: LEARN!

[chemical-element](#)

[Elements and Compounds](#)

Compounds



Britannica
School



Britannica
Expedition: LEARN!

[chemistry](#)

[Elements and Compounds](#)

Mixtures



Britannica
School



Britannica
Expedition: LEARN!

[chemistry](#)

[Substances and Mixtures](#)

Filtration



Britannica
School



Britannica
Expedition: LEARN!

[Chemistry](#)

[Substances and Mixtures](#)



UNDERSTANDING WATER: ITS IMPORTANCE, RESOURCES, AND THE THREAT OF POLLUTION

Importance of Water



Britannica
School

[water](#)



Britannica
Expedition: LEARN!

[How People Use Water](#)



Britannica
LAUNCHPACKS

[Living Things: Water](#)

Water Resources



Britannica
School

[water](#)



Britannica
Expedition: LEARN!

[How People Use Water](#)



Britannica
LAUNCHPACKS

[Surface Water](#)

Solute, Solvent, Solution



Britannica
School

[solution](#)



Britannica
Expedition: LEARN!

[Substances and Mixtures](#)



Britannica
LAUNCHPACKS

[Solutions](#)

Water Pollution and Conservation



Britannica
School

[water-pollution](#)



Britannica
Expedition: LEARN!

[STEM: Evaluate Stormwater Solutions](#)



Britannica
LAUNCHPACKS

[Water Purification and Water Pollution](#)

AIR AND ITS COMPONENTS

Air



Britannica
School

[Air](#)



Britannica
Expedition: LEARN!

[Soil, Rocks, Air and Water](#)

[Earth's Atmosphere](#)



Britannica
LAUNCHPACKS

[Living Things: Air](#)

Composition of Air



Britannica
School

[Earth](#)



Britannica
Expedition: LEARN!

[Earth's Atmosphere](#)



Britannica
LAUNCHPACKS

[Earth's Atmosphere](#)

Uses of Components



Britannica
School

[nitrogen](#)



Britannica
Expedition: LEARN!

[Earth's Atmosphere](#)



Britannica
LAUNCHPACKS

[Earth's Atmosphere](#)

Atmosphere



Britannica
School

[Earth](#)



Britannica
Expedition: LEARN!

[Earth's Atmosphere](#)



Britannica
LAUNCHPACKS

[Earth's Atmosphere](#)



TIMELINE

Timeline



Britannica
School

[Timeline](#)



Britannica
Expedition: LEARN!

[Using Timelines](#)



Britannica
LAUNCHPACKS

[Calendars and Timelines](#)

HISTORY

History



Britannica
School

[history](#)

Sources of History



Britannica
School

[history](#)

[primary source](#)



Britannica
Expedition: LEARN!

[Hunter Gatherers to Farmers](#)

[What Are Primary and Secondary Sources?](#)

Ancient History



Britannica
School

[Nomad](#)



Britannica
Expedition: LEARN!

[Hunter Gatherers to Farmers](#)

EARLY MAN

Stone Age



Britannica
School

[Stone Age](#)



Britannica
Expedition: LEARN!

[Hunter Gatherers to Farmers](#)



Britannica
LAUNCHPACKS

[Human Origins](#)

Inventions and Discoveries



Britannica
School

[science](#)



Britannica
Expedition: LEARN!

[Ancient Civilizations](#)

Shelter of Early Man



Britannica
School

[shelter](#)

Barter System



Britannica
School

[money](#)



RIVER VALLEY CIVILIZATIONS

Meaning of Civilization



[civilization](#)



[ancient civilization](#)

Different Ancient Civilizations



[ancient-civilization](#)



[Ancient China: River Origins to Han Legacy](#)

[Ancient Egypt: Innovation Along the Nile](#)

[The Olmec and Maya Civilizations](#)

Indus Valley Civilization



[Indus-valley-civilization](#)



[Early Civilizations of India: Economy and Trade](#)

[Early Civilizations of India: Origins and Geography](#)

[Early Civilizations of India: Government and Society](#)

[Early Civilizations of India: Religion](#)

MAHAVIRA AND BUDDHA: GREAT PREACHERS

Jainism



[Jainism](#)

Buddhism



[Buddhism](#)



[Buddhism](#)

Vardhamana Mahavira



[Mahavira](#)



[Early Civilizations of India: Key Figures](#)

Gautama Buddha



[Buddha](#)



THE VEDIC CIVILIZATION

Vedic Religion



[Vedic-religion](#)

Meaning of Veda



[Veda](#)

Aryans



[Aryan](#)

Indian Epics - Mahabharata and Ramayana



[Indian-literature](#)

Caste System



[Cast](#)

RISE OF KINGDOMS AND REPUBLICANS

Chieftdoms, kingdoms, and republics



[India](#)

THE MAURYAN EMPIRE

Mauryan-empire



[Mauryan-empire](#)



[Early Civilizations of India: Key Empires](#)

Chandragupta Maurya and formation of Mauryan Dynasty



[Chandragupta](#)



[Early Civilizations of India: Key Empires](#)



Contribution of Ashoka



Britannica
School

[Ashoka](#)



Britannica
LAUNCHPACKS

[Early Civilizations of India: Key Empires](#)

GUPTA EMPIRE

History of the Gupta Empire



Britannica
School

[Gupta dynasty](#)



Britannica
LAUNCHPACKS

[Early Civilizations of India: Key Empires](#)

Timeline of the Gupta Empire



Britannica
School

[Gupta dynasty](#)

Kingdom of Gupta dynasty



Britannica
School

[Gupta dynasty](#)

Rulers of the Gupta Empire



Britannica
School

[Chandragupta I](#)



Britannica
LAUNCHPACKS

[Chandragupta II](#)

[Early Civilizations of India:
Key Empires](#)

[Early Civilizations of India:
Key Empires](#)

INDIA

Vedas and Vedic Traditions



Britannica
School

[India](#)



Britannica
LAUNCHPACKS

[India](#)

Folk and Tribal Culture



Britannica
School

[India](#)

Food



Britannica
School

[India](#)



Textiles and Clothing



**Britannica
School**

[India](#)

Festivals



**Britannica
School**

[India](#)



**Britannica
LAUNCHPACKS**

[India](#)

GOVERNANCE

Democracy in India



**Britannica
School**

[democracy](#)

Constitution of India



**Britannica
School**

[constitution-of-India](#)

Election Commission of India



**Britannica
School**

[Election-Commission-of-India](#)

Rural Government



**Britannica
School**

[India](#)

ECONOMIC ACTIVITIES

Economic Activities



**Britannica
Expedition: LEARN!**

[Economic Systems](#)

Non-economic Activities



**Britannica
School**

[pilgrimage](#)



MAPS

Maps and its Components



Britannica
School

[maps-and-globes](#)



Britannica
Expedition: LEARN!

[Latitude and Longitude](#)



Britannica
LAUNCHPACKS

[Maps and Globes](#)

Historical Uses of Maps



Britannica
School

[maps-and-globes](#)

Geographic Information System



Britannica
School

[GIS](#)

Types of Maps



Britannica
School

[maps-and-globes](#)



Britannica
Expedition: LEARN!

[Maps and Globes](#)



Britannica
LAUNCHPACKS

[Maps and Globes](#)

Representation of Landforms on Maps



Britannica
School

[maps-and-globes](#)



Britannica
Expedition: LEARN!

[Landforms and People](#)



Britannica
LAUNCHPACKS

[Maps and Globes](#)

Maps and scale



Britannica
School

[maps-and-globes](#)



Britannica
Expedition: LEARN!

[Maps and Globes](#)



Britannica
LAUNCHPACKS

[Maps and Globes](#)

LANDFORMS

Formation of Landforms



Britannica
School

[landform](#)



Britannica
Expedition: LEARN!

[Geographic Features](#)

Mountains



Britannica
School

[mountain](#)



Britannica
Expedition: LEARN!

[Landforms and People](#)



Britannica
LAUNCHPACKS

[Mountains](#)



Himalayas



[himalayas](#)



[Mountain Ranges and Rivers](#)

Mountain Peak



[Kanchenjunga](#)

Plateaus



[plateau](#)



[Landforms and People](#)

Plateaus of India



[India](#)

[Malwa-Plateau](#)

[Chota-Nagpur](#)

Valleys



[valley](#)



[Landforms and People](#)

Valleys of India



[Manipur](#)

[Vale-of-Kashmir](#)



[Landforms and People](#)

Plains



[India](#)

[Chhattisgarh-Plain](#)



[Landforms and People](#)

Desert



[Desert](#)



[Landforms and People](#)

Coast



[Coast](#)



Island



**Britannica
School**

[Island](#)

WATER BODIES

Concept



**Britannica
School**

[ocean](#)

[Indian Ocean](#)



**Britannica
Expedition: LEARN!**

[Continents and Oceans](#)



**Britannica
LAUNCHPACKS**

[Ocean Systems](#)

Seas



**Britannica
School**

[Sea](#)



**Britannica
LAUNCHPACKS**

[Continents and Oceans](#)

Arabian Sea



**Britannica
School**

[Arabian Sea](#)

River



**Britannica
School**

[river](#)



**Britannica
Expedition: LEARN!**

[Mountain Ranges and Rivers](#)



**Britannica
LAUNCHPACKS**

[Rivers](#)

Rivers of India



**Britannica
School**

[Ganges-River](#)

[Brahmaputra River](#)

Lakes



**Britannica
School**

[lake](#)

Lakes



**Britannica
School**

[Chilika-Lake](#)

[Wular-Lake](#)

[Sambhar-Salt-Lake](#)

[Dhebar-Lake](#)



AGRICULTURE

Subsistence farming



Britannica
School

[Asia](#)



Britannica
LAUNCHPACKS

[Land Use and Soil](#)

Commercial farming



Britannica
School

[Asia](#)



Britannica
LAUNCHPACKS

[Land Use and Soil](#)

MINERALS

Metallic minerals



Britannica
School

[Asia](#)



Britannica
Expedition: LEARN!

[Minerals and Their Properties](#)



Britannica
LAUNCHPACKS

[Minerals](#)

Non metallic minerals



Britannica
School

[Asia](#)

[jewelry-and-gems](#)

[jewelry-and-gems](#)



Britannica
Expedition: LEARN!

[Minerals and Their Properties](#)



Britannica
LAUNCHPACKS

[Minerals](#)



1. MODES OF NUTRITION AND FOOD SYNTHESIS

Mode of Nutrition in Plants



[ecosystem](#)



[Ecosystem](#)

Photosynthesis



[photosynthesis](#)



[photosynthesis](#)



[photosynthesis](#)

Other Modes of Nutrition in Plants



[pitcher plant](#)

Saprotrophs



[fungus](#)

[symbiosis](#)



[fungus](#)

2. SOIL NUTRIENTS

Replenishing Soil Nutrients



[fertilizer](#)

[symbiosis](#)

[bacteria](#)

3. THE DIGESTIVE SYSTEM

Digestion in Humans



[digestive system](#)



[The Digestive System](#)

The mouth and buccal cavity



[digestive system](#)

The foodpipe/oesophagus



[digestive system](#)



[Organization of the Human Body](#)



The stomach



Britannica
School

[the stomach](#)



Britannica
Expedition: LEARN!

[The Stomach](#)



Britannica
LAUNCHPACKS

[The Digestive System](#)

The small intestine



Britannica
School

[digestive system](#)



Britannica
Expedition: LEARN!

[Organization of the Human Body](#)



Britannica
LAUNCHPACKS

[The Digestive System](#)

Absorption in the small intestine



Britannica
School

[digestive system](#)



Britannica
Expedition: LEARN!

[Organization of the Human Body](#)



Britannica
LAUNCHPACKS

[The Digestive System](#)

Large intestine



Britannica
School

[digestive system](#)



Britannica
Expedition: LEARN!

[Organization of the Human Body](#)

Digestion in grass-eating animals



Britannica
School

[digestive system](#)



Britannica
LAUNCHPACKS

[ruminants](#)

Feeding and digestion in amoeba



Britannica
School

[amoeba](#)



Britannica
LAUNCHPACKS

[living things](#)

[Protists](#)

4. HEAT AND TEMPERATURE

Hot and Cold



Britannica
Expedition: LEARN!

[Thermal Energy and States of Matter](#)

Measuring Temperature



Britannica
School

[heat](#)



Britannica
LAUNCHPACKS

[thermometer](#)

[Thermal Energy](#)



Transfer of Heat



Britannica
School

[heat](#)



Britannica
Expedition: LEARN!

[thermal energy transfer](#)



Britannica
LAUNCH PACKS

[Thermal Energy](#)

Conduction



Britannica
School

[heat](#)



Britannica
Expedition: LEARN!

[thermal energy transfer](#)



Britannica
LAUNCH PACKS

[Thermal Energy](#)

Convection



Britannica
School

[heat](#)



Britannica
Expedition: LEARN!

[thermal energy transfer](#)



Britannica
LAUNCH PACKS

[Thermal Energy](#)

Radiation



Britannica
School

[heat](#)



Britannica
Expedition: LEARN!

[thermal energy transfer](#)



Britannica
LAUNCH PACKS

[Thermal Energy](#)

ACIDS AND BASES

Acids and Bases



Britannica
School

[Acids and Bases](#)



Britannica
LAUNCH PACKS

[Solutions](#)

Natural Indicators Around Us



Britannica
School

[Acids and Bases](#)



Britannica
LAUNCH PACKS

[Solutions](#)

Litmus



Britannica
School

[Acids and Bases](#)



Britannica
LAUNCH PACKS

[Solutions](#)

Neutralisation



Britannica
School

[Acids and Bases](#)



Britannica
LAUNCH PACKS

[Solutions](#)



PHYSICAL AND CHEMICAL CHANGES

Physical Changes



[chemical reaction](#)

Chemical Change



[chemical reaction](#)



[chemical reaction](#)



[Chemical Reactions](#)

Rusting of iron



[chemistry](#)



[Chemical Reactions](#)

Prevention of rusting



[corrosion](#)

RESPIRATION IN PLANTS AND ANIMALS

Respiration



[living things](#)



[respiration](#)

Cellular respiration



[living things](#)



[Cellular respiration](#)



[respiration](#)

Aerobic respiration



[living things](#)



[Cellular respiration](#)



[respiration](#)

Anaerobic respiration



[living things](#)



[Cellular respiration](#)



[respiration](#)



Breathing



Britannica
School

[animal](#)



Britannica
Expedition: **LEARN!**

[The Human Respiratory System](#)



Britannica
LAUNCH**PACKS**

[respiration](#)

Breathing - in



Britannica
School

[respiratory system](#)



Britannica
Expedition: **LEARN!**

[The Human Respiratory System](#)



Britannica
LAUNCH**PACKS**

[The Respiratory System](#)

Breathing - out



Britannica
School

[respiratory system](#)



Britannica
LAUNCH**PACKS**

[The Respiratory System](#)

Breathing in Other Animals



Britannica
School

[animal](#)



Britannica
LAUNCH**PACKS**

[respiration](#)

Cockroach (Tracheal system)



Britannica
School

[respiratory system](#)



Britannica
LAUNCH**PACKS**

[respiration](#)

Earthworm (Through skin)



Britannica
School

[respiratory system](#)



Britannica
LAUNCH**PACKS**

[respiration](#)

Fish (Through gills)



Britannica
School

[respiratory system](#)



Britannica
LAUNCH**PACKS**

[respiration](#)

Breathing Under Water



Britannica
School

[respiratory system](#)



Britannica
LAUNCH**PACKS**

[respiration](#)

Plant respiration



Britannica
School

[Plant](#)



Britannica
Expedition: **LEARN!**

[Cellular Respiration](#)



Britannica
LAUNCH**PACKS**

[Plants and Their Functions](#)



THE BODY'S TRANSPORT SYSTEM

Circulatory System



Britannica
School

[human anatomy](#)



Britannica
Expedition: LEARN!

[The Human Circulatory System](#)



Britannica
LAUNCH **PACKS**

[The Circulatory System](#)

Blood



Britannica
School

[blood](#)



Britannica
Expedition: LEARN!

[The Human Circulatory System](#)



Britannica
LAUNCH **PACKS**

[The Circulatory System](#)

Blood vessels



Britannica
School

[Cardiovascular system](#)



Britannica
Expedition: LEARN!

[The Human Circulatory System](#)



Britannica
LAUNCH **PACKS**

[The Circulatory System](#)

Heart



Britannica
School

[Heart](#)



Britannica
Expedition: LEARN!

[The Human Circulatory System](#)



Britannica
LAUNCH **PACKS**

[The Vital Organs](#)

Heartbeat



Britannica
School

[Heart](#)



Britannica
Expedition: LEARN!

[The Human Circulatory System](#)



Britannica
LAUNCH **PACKS**

[The Vital Organs](#)

Excretory system in humans



Britannica
School

[human anatomy](#)



Britannica
Expedition: LEARN!

[The Human Excretory System](#)



Britannica
LAUNCH **PACKS**

[Living Things: Excretion](#)

Kidneys and excretion process



Britannica
School

[Kidney](#)



Britannica
Expedition: LEARN!

[The Human Excretory System](#)



Britannica
LAUNCH **PACKS**

[The Urinary System](#)

TRANSPORT IN PLANTS

Transport of Substances in Plants



Britannica
School

[plant](#)



Britannica
LAUNCH **PACKS**

[Plants and Their Functions](#)



Transport of water and minerals



[plant](#)



[Plants and Their Functions](#)

Transpiration



[plant](#)



[Plants and Their Functions](#)

PLANT REPRODUCTION

Modes of reproduction



[plant](#)



[Reproduction](#)

[Plant Reproduction](#)



[Living Things: Reproduction](#)

Asexual reproduction



[plant](#)



[Reproduction](#)

[Plant Reproduction](#)



[Living Things: Reproduction](#)

Vegetative propagation



[plant](#)



[Reproduction](#)

[Plant Reproduction](#)



[Living Things: Reproduction](#)

Sexual Reproduction



[living things](#)



[Reproduction](#)

[Plant Reproduction](#)



[Living Things: Reproduction](#)

Pollination



[plant](#)



[Plant Reproduction](#)



[Flowers](#)

Fertilisation



[plant](#)



[Plant Reproduction](#)



[The Reproductive System](#)



Study of reproductive parts of flower



Britannica
Expedition: LEARN!

[Plant Reproduction](#)

Fruits and Seed Formation



Britannica
School

[fruit](#)



Britannica
Expedition: LEARN!

[Plant Reproduction](#)



Britannica
LAUNCH PACKS

[Fruits and Seeds](#)

Seed Dispersal



Britannica
School

[seed](#)



Britannica
Expedition: LEARN!

[Plant Reproduction](#)



Britannica
LAUNCH PACKS

[Fruits and Seeds](#)

TIME AND SPEED

Slow or Fast



Britannica
School

[motion](#)



Britannica
Expedition: LEARN!

[Graphing and Describing Motion](#)



Britannica
LAUNCH PACKS

[motion](#)

Speed



Britannica
School

[speed](#)



Britannica
Expedition: LEARN!

[Graphing and Describing Motion](#)



Britannica
LAUNCH PACKS

[Speed, Velocity, and Acceleration](#)

Speed calculations



Britannica
School

[speed](#)



Britannica
Expedition: LEARN!

[Graphing and Describing Motion](#)



Britannica
LAUNCH PACKS

[Speed, Velocity, and Acceleration](#)

Units of speed and time



Britannica
School

[speed](#)



Britannica
Expedition: LEARN!

[Graphing and Describing Motion](#)



Britannica
LAUNCH PACKS

[Speed, Velocity, and Acceleration](#)

Measurement of time



Britannica
School

[time](#)



Britannica
LAUNCH PACKS

[Timekeeping Devices](#)



Ancient time measuring devices



[clock](#)



[Timekeeping Devices](#)

Measuring Speed



[speed](#)



[Graphing and Describing Motion](#)



[Speed, Velocity, and Acceleration](#)

Odometer and speedometer



[speedometer](#)

[instrumentation](#)



[Speed, Velocity, and Acceleration](#)

Distance-Time Graph



[motion](#)



[Graphing and Describing Motion](#)



[Speed, Velocity, and Acceleration](#)

CURRENT AND ITS EFFECTS

Symbols of electric components



[battery](#)



[Electrical Circuits](#)



[Electrical Energy](#)

Battery and cells



[battery](#)



[Electrical Circuits](#)



[Electrical Energy](#)

Heating effect of electric current



[electricity](#)



[Electrical Energy](#)

Electric fuses and safety devices



[electricity](#)



[Electrical Energy](#)



Magnetic effect of electric current



Britannica
School

[electricity](#)



Britannica
Expedition: LEARN!

[Electric and Magnetic Forces](#)



Britannica
LAUNCH PACKS

[Electrical Energy](#)

Oersted's discovery



Britannica
School

[electricity](#)



Britannica
LAUNCH PACKS

[Electrical Energy](#)

Electromagnet



Britannica
School

[electricity](#)



Britannica
Expedition: LEARN!

[Electric and Magnetic Forces](#)



Britannica
LAUNCH PACKS

[Electrical Energy](#)

THE SCIENCE OF LIGHT

Light travels along the straight line



Britannica
School

[light](#)



Britannica
Expedition: LEARN!

[Light](#)



Britannica
LAUNCH PACKS

[light](#)

Reflection of light



Britannica
School

[light](#)



Britannica
Expedition: LEARN!

[Light](#)



Britannica
LAUNCH PACKS

[light](#)

Spherical mirrors



Britannica
School

[light](#)



Britannica
LAUNCH PACKS

[light](#)

Images formed by lenses



Britannica
School

[light](#)



Britannica
LAUNCH PACKS

[light](#)

Sunlight



Britannica
School

[light](#)



Britannica
Expedition: LEARN!

[The Electromagnetic Spectrum](#)



Britannica
LAUNCH PACKS

[light](#)



FORESTS: OUR GREEN LUNGS

Forest



Britannica
School

[Forest](#)



Britannica
Expedition: **LEARN!**

[Biomes](#)



Britannica
LAUNCH **PACKS**

[forest](#)

Layers of the Forest



Britannica
School

[tropical rainforest](#)

Plants and Animals in Forests



Britannica
School

[tropical rainforest](#)

Plants and their products



Britannica
School

[tropical rainforest](#)

Decomposers



Britannica
School

[food chain](#)



Britannica
Expedition: **LEARN!**

[Matter and Energy in Food Webs](#)



Britannica
LAUNCH **PACKS**

[forest](#)

Water cycle and forests



Britannica
School

[Forest](#)

Forest canopy's role in water absorption



Britannica
School

[Forest](#)

Importance of forests



Britannica
School

[forest and forestry](#)



FROM TAP TO DRAIN: THE JOURNEY OF WATER

Water, Our Lifeline



Britannica
School

[Water](#)



Britannica
Expedition: **LEARN!**

[How People Use Water](#)



Britannica
LAUNCH**PACKS**

[Living Things: Water](#)

Sewage



Britannica
School

[sewage disposal](#)



Britannica
LAUNCH**PACKS**

[Water Purification and Water Pollution](#)

Water Freshens Up — An Eventful Journey



Britannica
School

[plumbing](#)



Britannica
LAUNCH**PACKS**

[Water Purification and Water Pollution](#)

Wastewater Treatment Plant (WWTP)



Britannica
School

[sewage disposal](#)



Britannica
LAUNCH**PACKS**

[Water Purification and Water Pollution](#)

Steps of sewage treatment



Britannica
School

[sewage disposal](#)



Britannica
LAUNCH**PACKS**

[Water Purification and Water Pollution](#)

MOTION AND MEASUREMENT

Measurement of volume



Britannica
School

[measurement](#)

Measurement of area



Britannica
School

[measurement](#)

Measurement of density



Britannica
School



















[density](#)



Britannica
Expedition: **LEARN!**

[Density](#)



Calculation of speed			
 Britannica School	 Britannica Expedition: LEARN!		
speed	Graphing and Describing Motion		
Motion			
 Britannica School	 Britannica Expedition: LEARN!	 Britannica LAUNCH PACKS	
motion	Graphing and Describing Motion	Motion	
Uniform and non-uniform motion			
 Britannica School	 Britannica Expedition: LEARN!		
mechanics	Potential Energy	Kinetic Energy	
	Conservation of Energy		
Weight			
 Britannica School	 Britannica LAUNCH PACKS		
weight	Gravity		
ENERGY			
Energy			
 Britannica School	 Britannica Expedition: LEARN!	 Britannica LAUNCH PACKS	
energy	Potential Energy	Kinetic Energy	Forms of Energy
	Conservation of Energy		
Law of conservation of energy			
 Britannica School	 Britannica Expedition: LEARN!	 Britannica LAUNCH PACKS	
energy	Conservation of Energy	Conservation of Energy	
THE SCIENCE OF REFLECTION AND COLORS			
Reflection			
 Britannica School	 Britannica Expedition: LEARN!	 Britannica LAUNCH PACKS	
light	Light	light	



Laws of reflection



[light](#)



Britannica
Expedition:LEARN!

[Mirrors and Reflection of Light](#)



Britannica
LAUNCH PACKS

[light](#)

Plane mirror



Britannica
School

[mirror](#)



Britannica
Expedition:LEARN!

[Mirrors and Reflection of Light](#)

Speed of light



Britannica
School

[light](#)



Britannica
Expedition:LEARN!

[Light](#)

Primary colours



Britannica
School

[optics](#)

Formation of secondary colours



Britannica
School

[optics](#)

Appearance of colour of an object



Britannica
School

[optics](#)



Britannica
Expedition:LEARN!

[Light](#)

Colour subtraction



Britannica
School

[optics](#)

HEAT ENERGY: TRANSFER AND EFFECTS

Heat as a form of energy



[energy](#)



Britannica
Expedition:LEARN!

[thermal energy transfer](#)



Britannica
LAUNCH PACKS

[Forms of Energy](#)



Units of temperature



Britannica
School

[energy](#)



Britannica
Expedition:LEARN!

[thermal energy transfer](#)



Britannica
LAUNCHPACKS

[Thermal Energy](#)

Effects of heat



Britannica
School

[heat](#)



Britannica
Expedition:LEARN!

[Thermal Energy and States of Matter](#)

Methods of heat transfer



Britannica
School

[heat](#)



Britannica
Expedition:LEARN!

[thermal energy transfer](#)



Britannica
LAUNCHPACKS

[Thermal Energy](#)

Thermos flask



Britannica
School

[thermos-bottle](#)



Britannica
Expedition:LEARN!

[thermal energy transfer](#)

THE NATURE AND JOURNEY OF SOUND

Sources of sound



Britannica
School

[sound](#)



Britannica
Expedition:LEARN!

[Introduction to Wave Properties](#)



Britannica
LAUNCHPACKS

[Sound](#)

Sound as a longitudinal wave



Britannica
School

[sound](#)



Britannica
Expedition:LEARN!

[Introduction to Wave Properties](#)



Britannica
LAUNCHPACKS

[The Properties of Sound](#)

Characteristics of sound waves



Britannica
School

[sound](#)



Britannica
Expedition:LEARN!

[Introduction to Wave Properties](#)



Britannica
LAUNCHPACKS

[The Properties of Sound](#)

Propagation of sound



Britannica
School

[sound](#)



Britannica
Expedition:LEARN!

[Introduction to Wave Properties](#)



Britannica
LAUNCHPACKS

[The Properties of Sound](#)



Reflection and absorption of sound



[sound](#)



[The Properties of Sound](#)

Speed of sound in different mediums



[sound](#)



[The Properties of Sound](#)

MAGNETISM

Law of magnetism



[magnet-and-magnetism](#)



[Magnets and Magnetic Forces](#)

Test for a magnet



[magnet-and-magnetism](#)

Electromagnetism and applications



[magnet-and-magnetism](#)



[Electromagnetic Forces](#)

ELECTRICITY: CELLS, CIRCUITS, AND COMPONENTS

Electric current



[electricity](#)



[Electrical Circuits](#)



[Electrical Energy](#)

Electric cell



[electricity](#)



[Electrical Circuits](#)



[Electrical Energy](#)

Resistors



[electricity](#)



[Electrical Energy](#)



Simple electric circuits



Britannica
School

[electric-circuit](#)



Britannica
Expedition:LEARN!

[Electrical Circuits](#)



Britannica
LAUNCH PACKS

[Electrical Energy](#)

Battery



Britannica
School

[battery](#)



Britannica
Expedition:LEARN!

[Electrical Circuits](#)



Britannica
LAUNCH PACKS

[Electrical Energy](#)

Conductors and insulators



Britannica
School

[conductors-and-insulators](#)



Britannica
Expedition:LEARN!

[Classifying Conductors and Insulators](#)

MATTER

Definition of matter



Britannica
School

[matter](#)



Britannica
Expedition:LEARN!

[The Structure of Matter](#)

Properties of matter



Britannica
School

[matter](#)



Britannica
Expedition:LEARN!

[Comparing Properties of Matter](#)



Britannica
LAUNCH PACKS

[The Properties of Matter](#)

Composition of matter



Britannica
School

[matter](#)



Britannica
Expedition:LEARN!

[The Structure of Matter](#)

CHANGES AROUND US: PHYSICAL VS. CHEMICAL

Physical and chemical changes



Britannica
School

[reversible-and-irreversible-changes](#)

Chemical change



Britannica
School

[chemistry](#)



Britannica
LAUNCH PACKS

[Chemical Reactions](#)



Differentiating changes



[chemical-reaction](#)

Classification



[chemical-reaction](#)

Change of state



[matter](#)



[Thermal Energy and States of Matter](#)



[The States of Matter](#)

Change in energy



[energy](#)



[Thermal Energy and States of Matter](#)



[Energy Transformations](#)

MIXTURES VS. COMPOUNDS

Mixtures vs. Compounds



[chemistry](#)



[Substances and Mixtures](#)

Definition of Mixture



[chemistry](#)



[Substances and Mixtures](#)

Separation Techniques



[chemistry](#)



[Substances and Mixtures](#)

ATOMS AND MOLECULES

Atoms



[atom](#)



[Elements and Compounds](#)



[Atomic Structure and Elements](#)



Molecules



[molecule](#)



[Elements and Compounds](#)

Radicals



[radical](#)

Atomicity



[molecule](#)

Periodic Table



[periodic-table](#)



[Classifying Elements](#)



[Periodic Table](#)

Valency



[valence](#)

METALS, NON-METALS, AND METALLOIDS

Chemical Reactions



[chemical-reaction](#)



[Chemical Reactions](#)



[Chemical Reactions](#)

Chemical Equations



[chemical-reaction](#)



[Conservation of Matter in Chemical Equations](#)

Properties of Metals and Non-Metals



[metal](#)



[Classifying Elements](#)



Corrosion



[corrosion](#)



[Classifying Elements](#)



[Chemical Reactions](#)

Uses of Metals



[metal](#)



[Chemical Reactions](#)

Metalloids



[metal](#)



[Classifying Elements](#)

THE CHEMISTRY OF AIR AND COMBUSTION

Air as a mixture



[Earth](#)



[Earth's Atmosphere](#)

Combustion



[fire](#)



[Chemical Reactions](#)

Mass Change



[energy](#)

Reactions with Oxygen



[metal](#)



[Chemical Reactions](#)

Acid Rain



[sulfur-dioxide](#)



Air Quality



[health](#)



[Living Things: Air](#)

Properties of Oxygen



[oxygen](#)



[Living Things: Air](#)

TISSUES: BUILDING BLOCKS OF PLANTS AND ANIMALS

Plant Tissues



[tissue](#)

Meristematic Tissues



[tissue](#)

Simple Permanent Tissues



[plant](#)

Complex Permanent Tissues



[plant](#)

Animal Tissues



[tissue](#)



[Cells, Tissues, and Organs](#)

Muscular Tissue



[tissue](#)



[Cells, Tissues, and Organs](#)

Nerve Tissue



[tissue](#)



[Cells, Tissues, and Organs](#)



CLASSIFICATION OF LIVING ORGANISMS

Classification



Britannica
School

[living-things](#)



Britannica
Expedition: **LEARN!**

[Using Characteristics to Classify Organisms \(6 kingdoms, does not use Monera\)](#)



Britannica
LAUNCH **PACKS**

[Classification](#)

Kingdoms Overview



Britannica
School

[living-things](#)



Britannica
Expedition: **LEARN!**

[Using Characteristics to Classify Organisms \(6 kingdoms, does not use Monera\)](#)



Britannica
LAUNCH **PACKS**

[Classification](#)

Monera



Britannica
School

[bacteria](#)



Britannica
LAUNCH **PACKS**

[bacteria](#)

Protista



Britannica
School

[protist](#)



Britannica
Expedition: **LEARN!**

[Using Characteristics to Classify Organisms \(6 kingdoms, does not use Monera\)](#)



Britannica
LAUNCH **PACKS**

[Protista](#)

Fungi



Britannica
School

[fungus](#)



Britannica
Expedition: **LEARN!**

[Using Characteristics to Classify Organisms \(6 kingdoms, does not use Monera\)](#)



Britannica
LAUNCH **PACKS**

[Fungi](#)

Plantae



Britannica
School

[plant](#)



Britannica
Expedition: **LEARN!**

[Using Characteristics to Classify Organisms \(6 kingdoms, does not use Monera\)](#)



Britannica
LAUNCH **PACKS**

[Types of Plants](#)

Animalia



Britannica
School

[living-things](#)



Britannica
Expedition: **LEARN!**

[Using Characteristics to Classify](#)



LIFE PROCESSES

Photosynthesis



Britannica
School

[photosynthesis](#)



Britannica
Expedition: LEARN!

[Photosynthesis](#)



Britannica
LAUNCH PACKS

[Photosynthesis](#)

Respiration



Britannica
School

[living-things](#)



Britannica
Expedition: LEARN!

[Cellular Respiration](#)



Britannica
LAUNCH PACKS

[Living Things: Respiration](#)

Excretory System



Britannica
School

[urinary-system](#)



Britannica
Expedition: LEARN!

[The Human Excretory System](#)

Kidney Function



Britannica
School

[urinary-system](#)



Britannica
Expedition: LEARN!

[The Human Excretory System](#)

Urinary System Disorders



Britannica
School

[urinary-system](#)



Britannica
Expedition: LEARN!

[The Human Excretory System](#)

Nervous System



Britannica
School

[nervous-system](#)



Britannica
Expedition: LEARN!

[The Human Nervous System](#)



Britannica
LAUNCH PACKS

[Nervous System](#)

Allergy



Britannica
School

[allergy](#)

Types of Allergies



Britannica
School

[allergy](#)



KINGDOMS OF INDIA

Temple Architecture of Mahabalipuram



[Mamallapuram](#)

DELHI SULTANATE : 12TH TO 15TH CENTURY

Different Dynasties



[Delhi sultanate](#)

Monuments Built: Qutb Minar



[Qutb Minar](#)

INTRODUCTION TO MUGHALS

Contributions of the Mughals



[India](#)

Mughal Empire



[Mughal-Empire](#)



[The Mughal Empire](#)

Mughal Rulers



[Akbar](#)

[Shah Jahan](#)

[Aurangzeb](#)

[Babur](#)

Monuments made by Mughals



[Taj Mahal](#)

[Humayuns Tomb](#)

Decline of Mughal empire



[Mughal Empire](#)



INTRODUCTION TO TRIBAL PEOPLE

Characteristics of Tribal Societies



Britannica
School

[India](#)

Geographical Distribution of



Britannica
School

[Jharkhand](#)

CASTE SYSTEM

Caste System



Britannica
School

[India](#)

[caste](#)



Britannica
LAUNCHPACKS

[India](#)

RELIGIOUS MOVEMENTS IN INDIA

Theologian Ramanuja



Britannica
School

[Ramanuja](#)

Hinduism



Britannica
School

[Hinduism](#)

Islam



Britannica
School

[Islam](#)



Britannica
LAUNCHPACKS

[Islam](#)

Sikhism



Britannica
School

[Sikhism](#)

[The Middle Ages: The Spread of Islam](#)

Kabir



Britannica
School

[Kabir](#)



Monasticism



[Monk and Monasticism](#)

Nanak



[Nanak](#)

REGIONAL CULTURES OF INDIA

Regions and their Cultures



[Jammu and Kashmir](#)

[Karnataka](#)

[Arunachal Pradesh](#)

[Rajasthan](#)

[India](#)

RISE OF THE VIJAYANAGAR AND THE BAHAMANI KINGDOMS

Vijayanagara and the Bahamani Kingdom



[Vijayanagar](#)

EQUALITY : A CONSTITUTIONAL RIGHT IN INDIA

Right to Equality



[Constitution of India](#)

STATE GOVERNMENTS OF INDIA

Role of State Government



[State Government](#)

WOMEN EMPOWERMENT IN INDIA

Social Reformer: Jyotiba Phule



[Jyotiba Phule](#)



COMPONENTS OF ENVIRONMENT

Earth's Environment



[Earth's Environment at a Glance](#)



[The Earth System and Sub-Systems](#)

Atmosphere



[Atmosphere](#)



[Earth's Atmosphere](#)



[Earth's Atmosphere](#)

Lithosphere and Hydrosphere



[Earth](#)



[Human Populations and Ecosystems](#)

Biological Component of Environment



[Environment](#)

INTERIOR OF THE EARTH

Interior of the Earth



[Earth](#)



[Earth's Layers](#)



[Earth's Layers](#)

ROCKS AND MINERALS

Rocks and Minerals on Earth



[Earth](#)



[What Are Minerals?](#)

[The Rock Cycle](#)



[The Rock Cycle](#)

[Minerals](#)

MOVEMENT OF LITHOSPHERIC PLATES

Impact of Movement of Lithospheric Plates



[Earthquake](#)



[Introduction to Natural Hazards](#)



[Earthquakes](#)

Plate Tectonic Theory



[Plate tectonics](#)



[Plate Boundaries](#)



[Effects of Earthquakes](#)



Case Study: Bhuj Earthquake, Gujarat



**Britannica
School**

[Gujarat](#)

OCEANS

Oceans



**Britannica
School**

[Ocean](#)



**Britannica
Expedition: LEARN!**

[Continents and Oceans](#)



**Britannica
LAUNCHPACKS**

[Ocean Systems](#)

SEAS

Seas



**Britannica
School**

[Sea](#)



**Britannica
Expedition: LEARN!**

[Continents and Oceans](#)

RIVERS

River



**Britannica
School**

[river](#)



**Britannica
Expedition: LEARN!**

[Mountain Ranges and Rivers](#)



**Britannica
LAUNCHPACKS**

[Rivers](#)

Rivers of India



**Britannica
School**

[Ganges-River](#)

[Brahmaputra River](#)

LAKES

Lakes



**Britannica
School**

[lake](#)

Lakes of India



**Britannica
School**

[Chilika-Lake](#)

[Wular-Lake](#)

[Sambhar-Salt-Lake](#)

[Dhebar-Lake](#)



DESERTS OF INDIA

Thar Desert



[Rajasthan](#)

[India](#)

Rann of Kutch



[Rann of Kachchh](#)

Cold Desert of Ladakh



[Ladakh](#)

CLIMATE AND WEATHER OF INDIA

Climate of India



[India](#)

SOIL IN INDIA

Types of Soil in India



[India](#)



[Land Use and Soil](#)

Soil Conservation



[Conservation](#)

Soil Erosion



[Erosion](#)



NON RENEWABLE ENERGY RESOURCES

Different Non Renewable Energy Resources

			
Coal	Petroleum	Non-renewable Energy Resources	Fossil Fuels
Fossil fuels			

Conservation of Non Renewable Energy Resources


Conservation

RENEWABLE ENERGY RESOURCES

Different Types of Renewable Energy Resources

		
Alternate Energy	Renewable Energy Resources	Alternative Sources of Energy



CROP PRODUCTION AND LIVESTOCK MANAGEMENT

Agricultural Practices



Britannica
School

[agriculture](#)



Britannica
LAUNCHPACKS

[Land Use and Soil](#)

Kharif Crops



Britannica
School

[india](#)



Britannica
LAUNCHPACKS

[Land Use and Soil](#)

Rabi Crops



Britannica
School

[india](#)



Britannica
LAUNCHPACKS

[Land Use and Soil](#)

Basic Practices of Crop Production



Britannica
School

[farm machinery](#)



Britannica
LAUNCHPACKS

[Land Use and Soil](#)

Preparation of Soil



Britannica
School

[farm machinery](#)



Britannica
LAUNCHPACKS

[Land Use and Soil](#)

Agricultural Implements



Britannica
School

[plow](#)



Britannica
LAUNCHPACKS

[Land Use and Soil](#)

Adding Manure and Fertilisers



Britannica
School

[fertilizers](#)



Britannica
LAUNCHPACKS

[Land Use and Soil](#)

Irrigation



Britannica
School

[irrigation](#)



Britannica
LAUNCHPACKS

[Water Systems](#)

Traditional Methods of Irrigation



Britannica
School

[farm machinery](#)



Modern Methods of Irrigation



[irrigation](#)

Protection from Weeds



[farm machinery](#)



[Land Use and Soil](#)

Harvesting



[farm machinery](#)



[Land Use and Soil](#)

Storage



[farm machinery](#)

Food from Animals



[agriculture](#)



[farm mammals](#)

Agriculture and Horticulture



[horticulture](#)



[Humans Influence the Inheritance of Traits](#)

Animal Husbandry



[cattle](#)



[Humans Influence the Inheritance of Traits](#)

MICROORGANISMS: FRIENDS AND FOES

Microorganisms



[microorganisms](#)



[Microorganisms](#)



[Virus, Protozoa. Type of cells, bacteria](#)

Microorganisms and Us



[microorganisms](#)



[Microorganisms](#)



Friendly Microorganisms



Britannica
School

[microbiology](#)



Britannica
Expedition: LEARN!

[Microorganisms](#)



Britannica
LAUNCH PACKS

[Louis Pasteur](#)

Making of Curd and Bread



Britannica
School

[yogurt](#)



Britannica
Expedition: LEARN!

[Microorganisms](#)



Britannica
LAUNCH PACKS

[Fungi](#)

Commercial Use of Microorganisms



Britannica
School

[bacteria](#)

Medicinal Use of Microorganisms



Britannica
School

[bacteria](#)



Britannica
Expedition: LEARN!

[Microorganisms](#)



Britannica
LAUNCH PACKS

[Alexander Fleming](#)

Vaccine



Britannica
School

[bacteria](#)



Britannica
Expedition: LEARN!

[Epidemics and Pandemics](#)



Britannica
LAUNCH PACKS

[The Treatment and Prevention of Disease](#)

Increasing Soil Fertility



Britannica
School

[bacteria](#)



Britannica
Expedition: LEARN!

[Microorganisms](#)



Britannica
LAUNCH PACKS

[Land Use and Soil](#)

Cleaning the Environment



Britannica
School

[bacteria](#)



Britannica
LAUNCH PACKS

[Recycling and Conservation of Resources](#)

Harmful Microorganisms



Britannica
School

[microorganisms](#)



Britannica
Expedition: LEARN!

[Microorganisms](#)



Britannica
LAUNCH PACKS

[Infectious Diseases](#)

Disease causing Microorganisms in Humans



Britannica
School

[human disease](#)



Britannica
Expedition: LEARN!

[Microorganisms](#)



Britannica
LAUNCH PACKS

[Infectious Diseases](#)



Disease causing Microorganisms in Animals



Britannica
School

[animal disease](#)



Britannica
Expedition: **LEARN!**

[Microorganisms](#)

Disease causing Microorganisms in Plants



Britannica
School

[diseases of plants](#)



Britannica
Expedition: **LEARN!**

[Microorganisms](#)

Food Poisoning



Britannica
School

[food poisoning](#)



Britannica
Expedition: **LEARN!**

[Microorganisms](#)

Food Preservation



Britannica
School

[food preservation](#)

Chemical Method



Britannica
School

[food preservation](#)

Preservation by Common Salt



Britannica
School

[food preservation](#)

Preservation by Sugar



Britannica
School

[food preservation](#)

Preservation by Oil and Vinegar



Britannica
School

[food preservation](#)

Heat and Cold Treatments



Britannica
School

[food preservation](#)



Storage and Packing



[food preservation](#)

Microorganisms



[fermentation](#)



[bacteria](#)

NITROGEN FIXATION AND NITROGEN CYCLE

Nitrogen Fixation



[legume](#)

Nitrogen cycle



[Nitrogen cycle](#)

RENEWABLE (INEXHAUSTIBLE) & NON-RENEWABLE (EXHAUSTIBLE) RESOURCES

Inexhaustible Natural Resources



[natural resources](#)



[Natural Resources](#)



[Natural Resources](#)

Exhaustible Natural Resources



[natural resources](#)



[Natural Resources](#)

FOSSIL FUELS AND THEIR CONSERVATION

Coal



[coal](#)



[Natural Resources](#)



[Fossil Fuels](#)

Story of Coal



[coal](#)



[Fossil Fuels](#)



Coke



[coke](#)



[Fossil Fuels](#)

Coal Tar



[coal-tar product](#)



[Fossil Fuels](#)

Petroleum



[petroleum](#)



[Natural Resources](#)



[Fossil Fuels](#)

Refining of Petroleum



[petroleum](#)



[Fossil Fuels](#)

Natural Gas



[natural gas](#)



[Fossil Fuels](#)

Some Natural Resources are Limited



[natural resources](#)



[Natural Resources](#)



[Fossil Fuels](#)

COMBUSTION, FUELS, AND FIRE SAFETY

Combustion



[combustion](#)



[Thermochemistry](#)

Fire Safety



[fire prevention and control](#)



[Wildland Fires](#)

Types of Combustion



[combustion](#)



[Thermochemistry](#)



Flame



Britannica
School

[flame](#)



Britannica
LAUNCH **PACKS**

[Thermochemistry](#)

Structure of a Flame



Britannica
School

[flame](#)



Britannica
LAUNCH **PACKS**

[Thermochemistry](#)

Fuel



Britannica
School

[fuel](#)



Britannica
LAUNCH **PACKS**

[Fossil Fuels](#)

Burning of Fuels Leads to Harmful Products



Britannica
School

[fossil fuel](#)



Britannica
LAUNCH **PACKS**

[Fossil Fuels](#)

FORESTS AND WILDLIFE

Deforestation and Its Causes



Britannica
School

[deforestation](#)



Britannica
Expedition: **LEARN!**

[Human Impacts on Earth Systems](#)



Britannica
LAUNCH **PACKS**

[forests](#)

Consequences of Deforestation



Britannica
School

[deforestation](#)



Britannica
Expedition: **LEARN!**

[Human Impacts on Earth Systems](#)



Britannica
LAUNCH **PACKS**

[forests](#)

Conservation of Forest and Wildlife



Britannica
School

[conservation](#)



Britannica
LAUNCH **PACKS**

[forests](#)

Biosphere Reserve



Britannica
School

[Biosphere Reserve](#)



Britannica
Expedition: **LEARN!**

[Biodiversity](#)



Britannica
LAUNCH **PACKS**

[forests](#)

Flora and Fauna



Britannica
School

[tropical rainforest](#)



Britannica
LAUNCH **PACKS**

[forests](#)



Endemic Species



[Endemic Species](#)



[Endangered Animals](#)

Wildlife Sanctuary



[conservation](#)



[Biodiversity](#)



[Living Things: Extinction](#)

National Park



[conservation](#)



[Grasslands](#)

Red Data Book



[India](#)

Migration



[animal migration](#)



[Animal Migration](#)

Recycling of Paper



[recycling](#)



[Recycling and Conservation of Resources](#)

Reforestation



[conservation](#)



[forests](#)

REPRODUCTION IN LIVING ORGANISMS

Modes of Reproduction



[reproduction](#)



[Reproduction](#)



[Living Things: Reproduction](#)

Sexual Reproduction



[Sexual Reproduction](#)



[Reproduction](#)



[The Reproductive System](#)



Male Reproductive Organs



Britannica
School

[sexuality](#)



Britannica
LAUNCHPACKS

[The Reproductive System](#)

Female Reproductive Organs



Britannica
School

[sexuality](#)



Britannica
LAUNCHPACKS

[The Reproductive System](#)

Fertilisation



Britannica
School

[reproductive system](#)



Britannica
LAUNCHPACKS

[The Reproductive System](#)

Development of Embryo



Britannica
School

[pregnancy and birth](#)

Viviparous and Oviparous Animals



Britannica
School

[reproductive system](#)



Britannica
LAUNCHPACKS

[The Reproductive System](#)

Young Ones to Adults



Britannica
School

[metamorphosis](#)



Britannica
LAUNCHPACKS

[Growth, Development, and Aging](#)

Asexual Reproduction



Britannica
School

[reproductive system](#)



Britannica
Expedition: LEARN!

[Reproduction](#)



Britannica
LAUNCHPACKS

[Living Things: Reproduction](#)

Asexual Reproduction (Plants)



Britannica
School

[plant](#)



Britannica
Expedition: LEARN!

[Plant Reproduction](#)



Britannica
LAUNCHPACKS

[Living Things: Reproduction](#)

Sexual Reproduction (Plants)



Britannica
School

[plant](#)



Britannica
LAUNCHPACKS

[Living Things: Growth](#)



Sexual Reproduction (Humans)



**Britannica
School**

[sexuality](#)



**Britannica
LAUNCHPACKS**

[The Reproductive System](#)

ADOLESCENCE AND REPRODUCTIVE HEALTH

Adolescence and Puberty



**Britannica
School**

[Adolescence](#)



**Britannica
LAUNCHPACKS**

[Growth, Development, and Aging](#)

Changes at Puberty



**Britannica
School**

[puberty](#)



**Britannica
LAUNCHPACKS**

[Growth, Development, and Aging](#)

Increase in Height



**Britannica
School**

[puberty](#)



**Britannica
LAUNCHPACKS**

[Growth, Development, and Aging](#)

Change in Body Shape



**Britannica
School**

[Adolescence](#)



**Britannica
LAUNCHPACKS**

[Growth, Development, and Aging](#)

Voice Change



**Britannica
School**

[puberty](#)



**Britannica
LAUNCHPACKS**

[Growth, Development, and Aging](#)

Increased Activity of Sweat and Sebaceous Glands



**Britannica
School**

[puberty](#)



**Britannica
LAUNCHPACKS**

[Growth, Development, and Aging](#)

Development of Sex Organs



**Britannica
School**

[puberty](#)



**Britannica
LAUNCHPACKS**

[Growth, Development, and Aging](#)

Secondary Sexual Characters



**Britannica
School**

[puberty](#)



**Britannica
LAUNCHPACKS**

[Growth, Development, and Aging](#)



Role of Hormones in Initiating Reproductive Function



**Britannica
School**

[hormones](#)



**Britannica
LAUNCHPACKS**

[The Endocrine System](#)

Reproductive Phase of Life in Humans



**Britannica
School**

[Adolescence](#)



**Britannica
LAUNCHPACKS**

[The Reproductive System](#)

Sex Determination



**Britannica
School**

[genetics](#)

Hormones other than Sex Hormones



**Britannica
School**

[endocrine system](#)



**Britannica
LAUNCHPACKS**

[The Endocrine System](#)

Role of Hormones in Completing the Life History of Insects and Frogs



**Britannica
School**

[Metamorphosis](#)



**Britannica
LAUNCHPACKS**

[Butterflies and Moths](#)

Reproductive Health



**Britannica
School**

[sexuality](#)

Personal Hygiene



**Britannica
School**

[health education and physical education](#)



**Britannica
LAUNCHPACKS**

[Nutrition, Exercise, and Health](#)

Physical exercise



**Britannica
School**

[health education and physical education](#)



**Britannica
LAUNCHPACKS**

[Nutrition, Exercise, and Health](#)

FORCE AND PRESSURE

Force – A Push or a Pull



**Britannica
School**

[force](#)



**Britannica
Expedition: LEARN!**

[force and motion](#)



**Britannica
LAUNCHPACKS**

[force](#)



Exploring Forces



Britannica
School

[force](#)



Britannica
Expedition: LEARN!

[force and motion](#)



Britannica
LAUNCH **PACKS**

[force](#)

Effect of Force on State of Motion



Britannica
School

[force](#)



Britannica
Expedition: LEARN!

[force and motion](#)



Britannica
LAUNCH **PACKS**

[force](#)

Effect of Force on Shape of an Object



Britannica
School

[force](#)



Britannica
Expedition: LEARN!

[force and motion](#)



Britannica
LAUNCH **PACKS**

[force](#)

Contact Forces



Britannica
School

[force](#)



Britannica
Expedition: LEARN!

[force and motion](#)



Britannica
LAUNCH **PACKS**

[force](#)

Muscular Force



Britannica
School

[force](#)



Britannica
Expedition: LEARN!

[force and motion](#)



Britannica
LAUNCH **PACKS**

[force](#)

Non-contact Forces



Britannica
School

[force](#)



Britannica
Expedition: LEARN!

[force and motion](#)



Britannica
LAUNCH **PACKS**

[force](#)

Magnetic Force



Britannica
School

[force](#)



Britannica
Expedition: LEARN!

[force and motion](#)



Britannica
LAUNCH **PACKS**

[force](#)

Electrostatic Force



Britannica
School

[electrostatic force](#)



Britannica
Expedition: LEARN!

[force and motion](#)



Britannica
LAUNCH **PACKS**

[force](#)

Gravitational Force



Britannica
School

[gravitational force](#)



Britannica
Expedition: LEARN!

[gravity](#)



Britannica
LAUNCH **PACKS**

[force](#)



Pressure



Britannica
School

[force](#)



Britannica
Expedition: LEARN!

[force and motion](#)



Britannica
LAUNCHPACKS

[force](#)

Pressure Exerted by Liquids and Gases



Britannica
School

[pressure](#)



Britannica
LAUNCHPACKS

[force](#)

Atmospheric Pressure



Britannica
School

[Atmospheric Pressure](#)



Britannica
Expedition: LEARN!

[Air Masses and Weather](#)



Britannica
LAUNCHPACKS

[Earth's Atmosphere](#)

FRICION AND ITS EFFECTS

Friction



Britannica
School

[friction](#)



Britannica
LAUNCHPACKS

[friction](#)

Force of Friction



Britannica
School

[friction](#)



Britannica
LAUNCHPACKS

[friction](#)

Factors affecting Friction



Britannica
School

[friction](#)



Britannica
LAUNCHPACKS

[friction](#)

Friction : A Necessary Evil



Britannica
School

[friction](#)



Britannica
LAUNCHPACKS

[friction](#)

Increasing and Reducing Friction



Britannica
School

[friction](#)



Britannica
LAUNCHPACKS

[friction](#)

Wheels Reduce Friction



Britannica
School

[friction](#)



Britannica
LAUNCHPACKS

[friction](#)



Fluid Friction



[friction](#)



[friction](#)

SOUND

Sound is Produced by a Vibrating Body



[sound](#)



[Introduction to Wave Properties](#)



[The Properties of Sound](#)

Sound Produced by Humans



[sound](#)



[The Properties of Sound](#)

Medium for Propagation



[sound](#)



[Introduction to Wave Properties](#)



[The Properties of Sound](#)

Hearing Sound through Our Ears



[sound](#)



[Sensing Information](#)



[The Properties of Sound](#)

Amplitude, Time Period and Frequency of a Vibration



[sound](#)



[Introduction to Wave Properties](#)



[The Properties of Sound](#)

Loudness and Pitch



[sound](#)



[Introduction to Wave Properties](#)



[The Properties of Sound](#)

Audible and Inaudible Sounds



[sound](#)



[The Properties of Sound](#)

Pitch and Frequency



[sound](#)



[Introduction to Wave Properties](#)



[The Properties of Sound](#)



Loudness and Amplitude



Britannica
School

[sound](#)



Britannica
Expedition: LEARN!

[Introduction to Wave Properties](#)



Britannica
LAUNCHPACKS

[The Properties of Sound](#)

NOISE POLLUTION

Noise and Music



Britannica
School

[sound](#)



Britannica
LAUNCHPACKS

[The Properties of Sound](#)

Noise Pollution



Britannica
School

[sound](#)



Britannica
LAUNCHPACKS

[The Properties of Sound](#)

Measures to Limit Noise Pollution



Britannica
School

[sound](#)



Britannica
LAUNCHPACKS

[The Properties of Sound](#)

ELECTRICITY AND ELECTRIC CURRENT

Liquids & Electricity



Britannica
School

[solution](#)



Britannica
LAUNCHPACKS

[solutions](#)

Chemical Effects of Electric Current



Britannica
School

[electrochemistry and electrolysis](#)



Britannica
LAUNCHPACKS

[Electrical Energy](#)

Electroplating



Britannica
School

[electrochemistry and electrolysis](#)



Britannica
LAUNCHPACKS

[Electrical Energy](#)

Electric Energy Consumption



Britannica
School

[electricity](#)



Wires and Components



Britannica
School

[wire](#)



Britannica
Expedition: LEARN!

[Electrical Circuits](#)



Britannica
LAUNCHPACKS

[Electrical Energy](#)

Static Electricity



Britannica
School

[electricity](#)



Britannica
LAUNCHPACKS

[Electrical Energy](#)

Battery



Britannica
School

[battery](#)



Britannica
LAUNCHPACKS

[Electrical Energy](#)

Dangers of Electricity



Britannica
School

[electrical-shock](#)



Britannica
LAUNCHPACKS

[Electrical Energy](#)

ELECTRIC CHARGE AND STATIC ELECTRICITY

Lightning



Britannica
School

[Lightning](#)



Britannica
LAUNCHPACKS

[Lightning](#)

Charging by Rubbing



Britannica
School

[electricity](#)



Britannica
LAUNCHPACKS

[Lightning](#)

Types of Charges and Their Interaction



Britannica
School

[electricity](#)



Britannica
LAUNCHPACKS

[Lightning](#)

Transfer of Charge



Britannica
School

[electric charge](#)



Britannica
LAUNCHPACKS

[Lightning](#)



NATURAL DISASTERS: LIGHTNING AND EARTHQUAKE

The Story of Lightning



[Lightning](#)



[Weather-Related Hazards](#)



[Lightning](#)

Lightning Safety



[Lightning](#)



[Weather-Related Hazards](#)



[Lightning](#)

Finding a Safe Place



[Lightning](#)



[Weather-Related Hazards](#)



[Lightning](#)

Do's and Don'ts during a Thunderstorm



[Lightning](#)



[Weather-Related Hazards](#)



[Lightning](#)

Earthquakes



[earthquake](#)



[Natural Hazards](#)



[Earthquakes](#)

Causes of Earthquake



[earthquake](#)



[Natural Hazards](#)



[Earthquakes](#)

Protection against Earthquakes



[earthquake](#)



[Natural Hazards](#)



[Earthquakes](#)

LIGHT

Light



[light](#)



[light](#)



[light](#)



Laws of Reflection



Britannica
School

[light](#)



Britannica
Expedition: LEARN!

[light](#)



Britannica
LAUNCH **PACKS**

[light](#)

Regular and Diffused Reflection



Britannica
School

[light](#)



Britannica
Expedition: LEARN!

[light](#)



Britannica
LAUNCH **PACKS**

[light](#)

Reflected Light Can be Reflected Again



Britannica
School

[light](#)



Britannica
Expedition: LEARN!

[light](#)



Britannica
LAUNCH **PACKS**

[light](#)

Kaleidoscope



Britannica
School

[light](#)



Britannica
Expedition: LEARN!

[light](#)



Britannica
LAUNCH **PACKS**

[light](#)

Sunlight — White or Coloured



Britannica
School

[light](#)



Britannica
Expedition: LEARN!

[light](#)



Britannica
LAUNCH **PACKS**

[light](#)

Refraction



Britannica
School

[light](#)



Britannica
LAUNCH **PACKS**

[Refraction and Reflection](#)

Curved Mirrors



Britannica
School

[optics](#)

Dispersion



Britannica
School

[optics](#)



Britannica
LAUNCH **PACKS**

[Color](#)

THE HUMAN EYE AND VISION

Human eye



Britannica
School

[human eye](#)



Care of the Eyes



[human eye](#)



[The Five Senses](#)

Braille System



[Braille](#)



[The Five Senses](#)

DENSITY

Density of Irregular Solids



[Density](#)

Density of Fluids



[fluid-mechanics](#)



[Density](#)

Comparisons



[density](#)



[Density](#)



[The Properties of Matter](#)

WORK, ENERGY, AND POWER

Moment of Force



[force](#)



[Force](#)

Pressure



[pressure](#)

Work



[work](#)



[Work and Energy](#)



Kinetic and Potential Energy



**Britannica
School**

[energy](#)



**Britannica
LAUNCHPACKS**

[Forms of Energy](#)

Energy Transformation



**Britannica
School**

[energy-transformation](#)



**Britannica
Expedition:LEARN!**

[Changes in Kinetic Energy](#)

Energy vs. Power



**Britannica
School**

[energy](#)



**Britannica
LAUNCHPACKS**

[Energy Transformations](#)

MATTER AND ITS STATES

Boiling vs. Evaporation



**Britannica
School**

[water](#)

Thermal Expansion



**Britannica
School**

[thermal-expansion](#)



**Britannica
Expedition:LEARN!**

[Thermal Energy](#)

Kinetic Theory of Matter



**Britannica
School**

[matter](#)



**Britannica
Expedition:LEARN!**

[Thermal Energy and States of Matter](#)



**Britannica
LAUNCHPACKS**

[The Changes to Matter](#)

State Changes



**Britannica
School**

[physical-chemistry](#)



**Britannica
Expedition:LEARN!**

[Thermal Energy and States of Matter](#)



**Britannica
LAUNCHPACKS**

[The Changes to Matter](#)

MOLECULAR THEORY AND CONSERVATION OF MASS

Kinetic Molecular Theory



**Britannica
School**

[physics](#)



**Britannica
Expedition:LEARN!**

[Thermal Energy and States of Matter](#)



Change of State



Britannica
School

[matter](#)



Britannica
Expedition:LEARN!

[Thermal Energy and States of Matter](#)



Britannica
LAUNCHPACKS

[The States of Matter](#)

Law of Conservation of Mass



Britannica
School

[conservation-of-mass](#)



Britannica
Expedition:LEARN!

[Conservation of Matter in
Chemical Reactions](#)



Britannica
LAUNCHPACKS

[Chemical Reactions](#)

ATOMIC STRUCTURE AND MATTER

Revision of Element, Compound and Mixtures



Britannica
School

[chemistry](#)

Subatomic Particles



Britannica
School

[atomic-particles](#)

Atomic Numbers and Mass Numbers



Britannica
School

[atom](#)



Britannica
LAUNCHPACKS

[Atomic Structure and Elements](#)

CHEMICAL REACTIONS AND EQUATIONS

Symbols and Formulae



Britannica
School

[chemistry](#)



Britannica
Expedition:LEARN!

[Elements and Compounds](#)

Chemical Equations



Britannica
School

[chemistry](#)



Britannica
Expedition:LEARN!

[Conservation of Matter in Chemical Reactions](#)

Classification



Britannica
School

[reversible-and-irreversible-changes](#)



Reaction Types



[chemical-reaction](#)



[Chemical Reactions](#)

Reaction Classifications



[chemical-reaction](#)



[The Properties of Matter](#)

REACTIVITY SERIES

Reactivity Series



[metal](#)

Preparation of Hydrogen



[hydrogen](#)

Properties and Uses of Hydrogen



[hydrogen](#)

WATER CHEMISTRY

Properties of Water



[water](#)

Hard and Soft Water



[water](#)

CARBON AND ITS COMPOUNDS

Allotropes



[carbon](#)



Carbon Dioxide



[carbon-dioxide](#)

Carbon Monoxide



[carbon-monoxide](#)

PLANT PHYSIOLOGY AND TRANSPORT

Diffusion and Osmosis



[osmosis](#)

Transpiration



[transpiration](#)

Xylem and Phloem



[plant](#)



[Plant Leaves](#)

Minerals



[diseases-of-plants](#)

ECOSYSTEMS AND ENERGY FLOW

Ecosystems



[ecology](#)



[Organization of Ecosystems](#)



[Ecosystems](#)

Food Chains and Webs



[food-chain](#)



[Matter and Energy in Food Webs](#)



[Food Chains and Food Webs](#)



HUMAN BODY SYSTEMS

Endocrine System



[endocrine-system](#)



[The Endocrine System](#)

Circulatory System



[human-anatomy](#)



[The Human Circulatory System](#)



[The Circulatory System](#)

Nervous System



[nervous-system](#)



[The Human Nervous System](#)



[Nervous System](#)

DISEASES

Diseases



[infectious-disease](#)



[Epidemics and Pandemics](#)



[Infectious Diseases](#)

DRUG ABUSE AWARENESS AND PREVENTION

Substance Abuse



[drug-abuse](#)

FIRST AID

First Aid



[burn](#)



SOURCES OF HISTORY

Primary and Secondary Sources



[primary source](#)



[What Are Primary and Secondary Sources?](#)

TRANSITION FROM MEDIEVAL TO MODERN AGE

Renaissance



[renaissance](#)



[Renaissance Europe: Art and Architecture](#)

[Renaissance Europe: Origins](#)

[Renaissance Europe: Government and Society](#)

[Renaissance Europe: Economy and Trade](#)

[Renaissance Europe: Literature](#)

[Renaissance Europe: Science and Technology](#)

[Renaissance Europe: Key Figures](#)

[Renaissance Europe: Religion](#)

Reformation



[Reformation](#)



[The Reformation: Origins and Geography](#)

[The Reformation: Key Figures](#)

[The Reformation: Calvinism](#)

[The Reformation: Lutheranism](#)

[The Reformation: The Church of England](#)

Voyages



[Early Exploration of the Americas](#)



[The Age of Exploration: Why Explorers Set Sail](#)

[Early European Explorers: 1400s and 1500s](#)

[Early European Explorers: 1500s and 1600s](#)

[The Age of Exploration: Technology](#)



THE INDUSTRIAL REVOLUTION

Reason for its Start and its Impact

 Britannica School	 Britannica Expedition: LEARN!	 Britannica LAUNCH PACKS
Industrial Revolution	The First Industrial Revolution	The Industrial Revolution in Europe
	The New England Textile Industry	
	The Industrialization of the United States	The Industrial Revolution in the United States
	The Steel and Oil Industries	

IMPERIALISM

Introduction, Causes and Impacts

 Britannica School	 Britannica Expedition: LEARN!	 Britannica LAUNCH PACKS
Empire	The Spanish-American War	British Imperialism

THE FRENCH REVOLUTION

Causes and Impact of French Revolution

 Britannica School	 Britannica LAUNCH PACKS
French Revolution	French Revolution

Napoleon Bonaparte

 Britannica School	 Britannica LAUNCH PACKS
Napoleon I	The Napoleonic Era

THE AMERICAN WAR OF INDEPENDENCE

American Revolution and Birth of USA

 Britannica School	 Britannica Expedition: LEARN!	 Britannica LAUNCH PACKS
American Revolution	An Overview of the American Revolution	The American Revolution
	The Battles of Lexington and Concord	The American Revolution: The Battles of Lexington and Concord
	Crispus Attucks and the Boston Massacre	
	Exploring the Declaration: The Road to Independence	The American Revolution: The Battles of Saratoga
	Growing Resentment: Taxation	The American Revolution: The Battle of Bunker Hill
	Ideas and Grievances in the Declaration	
	Influential Black Figures of the Revolution	The American Revolution: The Siege of Yorktown
	Women of the American Revolutionary Era	



AMERICAN CIVIL WAR

Causes of American Civil War



Britannica
School

[American Civil War](#)



Britannica
Expedition: LEARN!

[Abraham Lincoln](#)



Britannica
LAUNCHPACKS

[American Civil War](#)

Role of Abraham Lincoln



Britannica
School

[Abraham Lincoln](#)



Britannica
Expedition: LEARN!

[The Civil War: A Union Victory](#)



Britannica
LAUNCHPACKS

[The American Civil War: The Union](#)

The Gettysburg Address



Britannica
Expedition: LEARN!

[The Civil War Before Gettysburg](#)

[The Civil War Begins](#)

[The Civil War Shifts at Gettysburg](#)

[The Emancipation Proclamation](#)

[A Nation Separates](#)



Britannica
LAUNCHPACKS

[Gettysburg Address](#)

[Abraham Lincoln](#)

DECLINE OF THE MUGHAL EMPIRE

Decline of the Mughal Empire



Britannica
School

[Mughal Empire](#)



Britannica
LAUNCHPACKS

[The Mughal Empire](#)

RISE AND EXPANSION OF BRITISH POWER

British Power in India



Britannica
School

[India](#)



Britannica
LAUNCHPACKS

[British Imperialism](#)

East India Company



Britannica
School

[East India Company](#)

BRITISH POLICIES AND THEIR IMPACTS

The Blue Rebellion



Britannica
School

[Indigo Revolt](#)



Britannica
LAUNCHPACKS

[Agricultural Economics](#)

[The European Union](#)



REVOLT OF 1857

Causes and Consequences



[Sepoy Revolt](#)

INDIAN RENAISSANCE

Indian Renaissance



[Indian Renaissance](#)

Social and Religious Reformers in India



[Ram Mohan Roy](#)

[Jyotiba Phule](#)

[Narayana Guru](#)

[Human Rights: Women's Rights](#)

RISE OF NATIONALISM AND INDIA'S INDEPENDENCE

Struggle of Independence



[India](#)

Movement for Independence



[Quit India Campaign](#)

[Civil Disobedience](#)

[Salt March](#)

[Mahatma Gandhi](#)

LEGISLATURE - LOK SABHA AND RAJYA SABHA

Lok Sabha



[Lok Sabha](#)

Rajya Sabha



[Rajya Sabha](#)



THE JUDICIARY

Role and Structure of Indian Judiciary



[Judiciary of India](#)

THE UNITED NATIONS

Aims, Principles and Organs of United Nations



[United Nations](#)

[United Nations](#)

[United Nations](#)

[United Nations](#)

AGENCIES OF UNITED NATIONS

Different Agencies of United Nations



[UNESCO](#)

[Modern World Health Crises](#)

THE INDIAN CONSTITUTION

Framing and Features



[Constitution of India](#)

SECULARISM

Indian secularism



[Secularism](#)

TYPES OF RESOURCES

Renewable and Non-Renewable Resources



[Natural Resource](#)

[Natural Resources](#)

[Natural Resources](#)

[Natural Resource](#)

[Recycling and Conservation of Resources](#)

[Conservation](#)

[Alternative Sources of Energy](#)



LAND RESOURCES

Land



Britannica
School

[Land](#)



Britannica
Expedition:LEARN!

[Natural Resources](#)



Britannica
LAUNCHPACKS

[Land Use and Soil](#)

Land use



Britannica
School

[Land Use](#)

Conservation of land resource



Britannica
School

[Conservation](#)

SOIL

Concept



Britannica
School

[Soil](#)



Britannica
Expedition:LEARN!

[Soil Formation and Its Properties](#)



Britannica
LAUNCHPACKS

[Land Use and Soil](#)

Landslides



Britannica
School

[Landslide](#)



Britannica
Expedition:LEARN!

[Introduction to Natural Hazards](#)

Conservation of Soil



Britannica
School

[Conservation](#)



Britannica
LAUNCHPACKS

[Weathering and Soil](#)

WATER

Water



Britannica
School

[Water](#)



Britannica
Expedition:LEARN!

[How People Use Water](#)



Britannica
LAUNCHPACKS

[Surface Water](#)

Problems of water availability



Britannica
School

[Water](#)



Britannica
LAUNCHPACKS

[Water Shortages](#)



Conservation of water resources



[Conservation](#)



[Water Purification and Water Pollution](#)

NATURAL VEGETATION

Natural vegetation and wildlife



[Earth](#)

Ecosystem



[Ecosystem](#)



[Biomes](#)

Conservation of natural vegetation and wildlife



[Conservation](#)



[Biodiversity](#)



[Forests](#)

FARMING

Farm system



[Agriculture](#)



[Agricultural Economics](#)

Types of Farming



[Types of Farming](#)



[Agricultural Economics](#)

Major Crops in India



[Rice](#)

[Wheat](#)

[Millet](#)

[Corn](#)

[Cotton](#)

[Jute](#)

[Tea](#)

[Coffee](#)

AGRICULTURE

Agricultural Development in India and USA



[Agriculture](#)



INDUSTRIES

Classification and Type of Industries



[Industry](#)

[Industry](#)

[Industry](#)

[US Industries Steel](#)

HUMAN RESOURCES

Population



[Population](#)

[Population](#)

[Humans and the Environment](#)

[Human Populations and Their Environment](#)

REPRESENTATION OF GEOGRAPHICAL FEATURES

Topographical Sheet



[Topographic Map](#)

Maps and Globes



[Maps and Globes](#)

[Maps and Globes](#)

[Map Symbols](#)

MIGRATION

Type of Migration and Effect of Migration



[Human Migration](#)

[Human Migration](#)

[Ellis Island](#)

[The Great Migration](#)

[Human Migration](#)

URBANISATION

Causes and Impact



[Urbanization](#)

NATURAL AND MANMADE DISASTERS

Different Natural Disasters



[Natural Disaster](#)

[Introduction to Natural Hazards](#)

[Earthquakes](#)



Natural and Manmade Disasters



Britannica
School



Britannica
LAUNCHPACKS

[Deepwater Horizon Oil Spill](#)

[Floods](#)

[Hurricanes](#)

ASIA

Location, Features and Climate of Asia



Britannica
School



Britannica
Expedition: LEARN!



Britannica
LAUNCHPACKS

[Asia](#)

[Asia](#)

[Asia](#)

[Regions of the World](#)

[Asia](#)

[South Asia](#)

[East Asia](#)

[Tundra](#)

INDIA

Geographical Features, Climate, Flora and Fauna



Britannica
School



Britannica
LAUNCHPACKS

[India](#)

[India](#)