

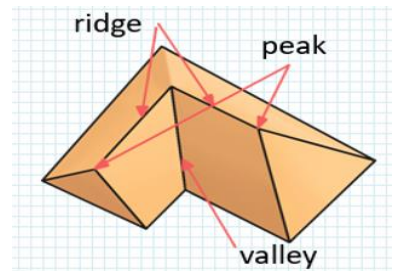
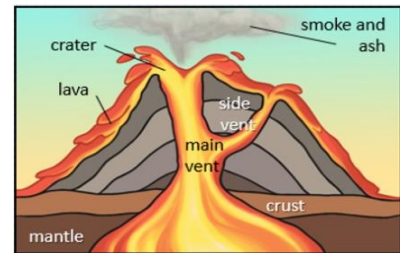


Key Concept/Features

Climate change is the change in the Earth's climate, especially the gradual rise in temperature, as a result of human activity. The Earth has warmed by an average of 1°C in the last century, and although that might not sound like much, it means big things for people and wildlife around the globe. Unfortunately, rising temperatures don't just mean that we'll get nicer weather. The changing climate will actually make our weather more extreme and unpredictable. Just in the last 650,000 years there have been seven cycles of glacial advance and retreat, with the abrupt end of the last ice age about 7,000 years ago marking the beginning of the modern climate era — and of human civilisation. Most of these climate changes are attributed to very small variations in Earth's orbit that change the amount of solar energy our planet receives.

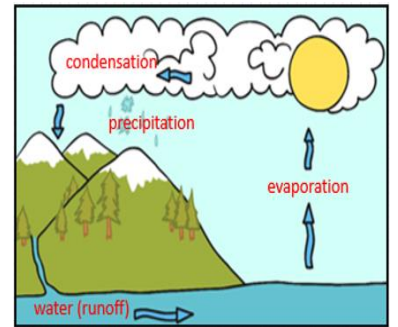
Pollution may muddy landscapes, poison soils and waterways, or kill plants and animals. Humans are also regularly harmed by pollution. Long-term exposure to air pollution, for example, can lead to chronic respiratory disease, lung cancer and other diseases.

Key Vocabulary	Definition
River	Starts at the source and flows to the mouth of the river. Gully: small valley worn away by running water. Tributary: a river or stream which flows into a larger river or lake. Meander: the curves of a river formed by erosion. Bank: the slope beside a body of water.
Mountains	Mountains have ridges, peaks and a summit. The summit is the top. Mountains are formed by the movement of the earth's crust.
Volcanoe	Volcanoes are mountains. When Magma (liquid rock) bursts through the Earth's surface we call this lava which cools and becomes hard rock.
Water cycle	The journey water takes when it circulates from land to sky and back again. This process involves evaporation, condensation, precipitation and run off.
Biome	A natural area of vegetation and animals.
Terrestrial biomes	Tundra (e.g. Alaska), rainforest (e.g. Brazil), savannah (grassy plain with few trees), taiga (swampy forest), temperate forest, temperate grassland, alpine (mountains), chaparral (shrubs and bushes) and desert.
Aquatic biomes	Freshwater, freshwater wetlands, marine, coral reef and estuaries (tidal mouth of a large river).






Key Locations

Everest	Mount Everest is Earth's highest mountain above sea level, located in the Mahalangur Himal sub-range of the Himalayas. The international border between Nepal and China runs across its summit point.
Hawaii	Hawaii is a state of the United States of America. It is the only state located in the Pacific Ocean and the only state composed entirely of islands.
Arctic	The Arctic is a polar region located at the northernmost part of Earth. The Arctic consists of the Arctic Ocean, adjacent seas, and parts of Alaska (United States), Finland, Greenland (Denmark), Iceland, Northern Canada, Norway, Russia and Sweden.
Antarctica	Antarctica is Earth's southernmost continent. It contains the geographic South Pole and is situated in the Antarctic region of the Southern Hemisphere, almost entirely south of the Antarctic Circle, and is surrounded by the Southern Ocean.



Key People

Banksy		Banksy is an anonymous England-based street artist, vandal, political activist, and film director, active since the 1990s. His satirical street art and subversive epigrams combine dark humour with graffiti executed in a distinctive stencilling technique.
Edmund Hillary		Sir Edmund Percival Hillary KG ONZ KBE (20 July 1919 – 11 January 2008) was a New Zealand mountaineer, explorer, and philanthropist. On 29 May 1953, Hillary and Nepalese Sherpa mountaineer Tenzing Norgay became the first climbers confirmed to have reached the summit of Mount Everest.
Piers Torday		Piers Torday is a British children's writer. The son of the novelist Paul Torday, he was born in Northumberland and was a theatre and television producer for many years. His book <i>The Dark Wild</i> won the Guardian Children's Fiction Prize for 2014.