Sierra Misty Mountain

Mountains

surface that is much higher A mountain is a large, rocky groups called ranges highest point is called its They are usually found in are 610m in height or taller peak, or summit. Mountains than a hill. A mountain's raised part of the Earth's



San Juan Mountains, Colorado

Mountains around the world

Range

Continent Height

Asia Asia

8848m

Mount Everest

Aconcagua

Karakoram Himalayas

Mount

Eastern Rift

Africa

5895m

America

South

6962m

8611m

Mountain formation

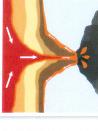
upwards. There are six types of mountain. underneath the Earth's crust pushes large areas of land move apart. Mountains are also formed when magma when the Earth's tectonic plates push together or Mountains form over millions of years. They are made



fold mountain



fault-block mountain



volcanic mountain



dome mountain



Mount Olympus

Olympus

Europe

2917m

Mount

Snowy

Australia

2228m

Ben Nevis Kosciuszko

Mountains Grampian Mountains

Europe

1345m

Mount Ararat Mount Kenya Kilimanjaro

Armenian Highlands

> Europe Africa

> 5137m 5199m

Eastern Rift

plateau mountain



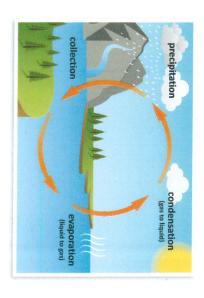
erosional mountain

Climate

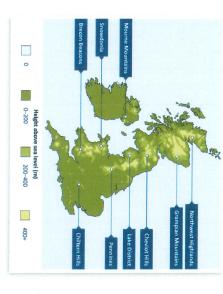
grow, providing tood for a variety of animals. Higher up temperature can be mild. Many different plants and trees At the bottom of a mountain, in the lowland area, the skies to intense thunderstorms and blizzards. Mountain weather can change very quickly, from clear live there are adapted to survive in the harsh conditions windy. There are fewer plants and animals and those that the mountain, in the upland area, it can be very cold and

The water cycle

off the land into rivers and streams and travels back to the snow, sleet or hail, called precipitation. The rainwater runs to form water vapour that rises into the air. The water rivers and lakes is heated by the Sun and evaporates a process called the water cycle. Water in seas, oceans, Water cannot be made. It is constantly recycled through sea. The cycle then starts again. high ground, where the water falls back to Earth as rain, drops of water, forming clouds. The clouds get blown over vapour condenses as it cools and changes back into tiny

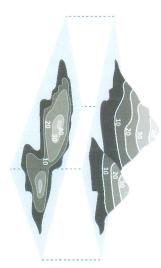


UK mountain ranges and hills



Contour lines

ground is flat at 5 or 10m intervals. If contour lines are close together, the land. Contour lines join together points at the same Contour lines are drawn on a map to show the shape of it means the ground is steep. If they are far apart, the height above sea level. The height is shown in metres,



breathing.

orters carrying bags in the Himalaya

larger lung capacity and quicker for generations have developed a families have lived at high altitudes

Living at high altitude

are fewer plants and animals, and those that make their and does not contain as much oxygen, making it harder to Living at high altitude can be difficult. The air is thinner breathe. It is much colder and can be very windy. There homes at high altitudes have special adaptations.

grasses, mosses and flowering and lack of moisture. because of the cold temperatures cannot grow at high altitudes in cold temperatures, dry air and to live at high altitudes, including Some plant species have adapted have a short growing season. Trees plants. They have adapted to grow



large to provide enough oxygen in warm. Their lungs and heart are of body fat and long fur to keep mountains. Yaks have a thick layer that have adapted to live high up their blood. yaks, Ilamas and mountain goats, There are some animals, such as



The Adi tribe

living at high altitudes. To get

Some humans have adapted to

Humans

more oxygen, some people whose

avoid misfortune. However, the introduction of electricity, and grow crops. They are well known for making items the Himalayas. Their way of life and culture has been machinery and television is changing the way the Adi tribe spirits and give offerings, perform rituals and dance to from cane and bamboo. The Adi believe living things have unchanged for hundreds of years. The Adi hunt for food The Adi tribe live in a beautiful and remote area of live, work and spend their time.

Glossary

adaptation	A change in an organism that allows it to better suit its environment.
altitude	The height of an object or point above sea level.
climate	The usual weather patterns of a place.
collection	The process of water gathering in oceans, rivers, lakes and streams.
condensation	The process of a gas cooling and changing into a liquid.
crust	The rocky outer layer of the Earth.
evaporation	The process of a liquid heating up and changing into a gas.
lowland area	An area of land that is usually flat and is not very high above sea level.
magma	Hot molten rock found in the Earth's mantle.
tectonic plate	A large, moving piece of rock that makes up the Earth's crust.
precipitation	Rain, snow, sleet or hail that falls to the ground from clouds.
upland area	Land that is high above sea level.