

Knowledge Organiser

Year 1 : What does a planet need to support life? Term 1

Geography: Woodland

Where are we in the world? What ecosystems are around us?

All around us are habitats that support life.

Hogacre is a habitat known as a Woodland.

A woodland has a specific group of animals that are adapted to living there, particularly in preparation for and during the winter.



Geography: Mountains

Mountain environments are hard to live in because animals and plants must adjust to having less oxygen and the cold climate at the top.

Volcanic mountains are formed when the lava from a volcanic eruption settles and cools to build a cone of rock on the top of the earth.

Fold mountains are formed when two tectonic plates are pushed together.



Science: Animals

Woodland in the Winter
Badger, fox, rabbit, grey squirrel, robin, starlings, green woodpecker, adder.

Rainforests

Amazon: giant armadillo, green leaf frog, Amazon river dolphin, electric eel.

Desert

Namib: oryx, desert lion, desert elephant, black rhino, fog beetle.

Sahara: lizards, chameleons, skinks, cobras, sand fox, jerboa,

camel.

Gobi: snow leopard, black-tailed gazelle, Gobi viper, jerboa, Gobi bear, Gobi ibex, wild Bactrian camel.

Mountains

Himalayas: Himalayan wild yak, Himalayan thar, red panda, musk deer, Himalayan black bear.

People

John Franklin, Jane Goodall, Charles Darwin, John Edmonstone, Graman Quassi.



Geography: Rainforest

A dense forest, typically located near the equator which is rich in biodiversity with consistently heavy rainfall.

A rainforest is a hot, wet habitat with lots of different plants and animals.

Rainforests are under threat from deforestation due to intensive farming and land clearance for crops and livestock.



Geography: Polar

The climates at the poles is always cold because the sun is always low in the sky and they never receive direct sunlight, even in the summer.

Animals that live at the poles are adapted in different ways to live in the cold.



Geography: Desert

A desert is a habitat which has little or no plant life, low rainfall and is typically covered with sand.

Plants and animals in deserts need to adapt to survive with very little water. The animals in the Namib, Gobi and Sahara are adapted to surviving in their environments in a variety of ways.



Geography: How can we protect the ecosystems of the world?

Humans are having an impact on the earth in lots of ways through climate change and by changing the habitats of the world.



Places

Woodland
Oxford
Oxfordshire
Great Britain
United Kingdom
Europe

Rainforest
Equator
Amazon
Rainforest
Madagascar

Desert

Namib
Sahara
Gobi

Mountains

Himalayas
Mount Everest
Mount Fuji

Polar

Arctic Circle
Antarctica

Key Terms	
Adaptation	Plants and animals look different in different habitats because they are adapted to their environment.
Conservation	<p>There are many ways that we can directly and indirectly affect our world's habitats.</p> <p>Direct impacts include looking after places that we visit and making sure we don't destroy plants and animals that live there.</p> <p>Indirect impacts include reducing our carbon footprint to help the environment and making sure that we follow the 4 r's of</p>
Habitat	A habitat is the natural home of a plant, animal or organism.
Food Chain	a series of organisms each dependent on the next as a source of food.

Vocabulary	
City	The largest type of human settlement.
Woodland	A habitat which is land covered in trees.
Rainforest	A type of woodland found in hot climates near the equator with a lot of rainfall and a diverse range of plants and animals.
Deforestation	The action of clearing an area of forest
Continents	A group of lots of countries linked together.
Adaptation	How animals have changed to survive their habitat.
Habitat	The natural home of a plant, animal or organism.
Desert	A desert is a habitat which has little or no plant life, low rainfall and is typically covered with sand.
Mountain	A large landform that rises above the surrounding area.
Vertebrates	An animal with a backbone.
Invertebrates	An animal without a backbone.



Subject: Geography

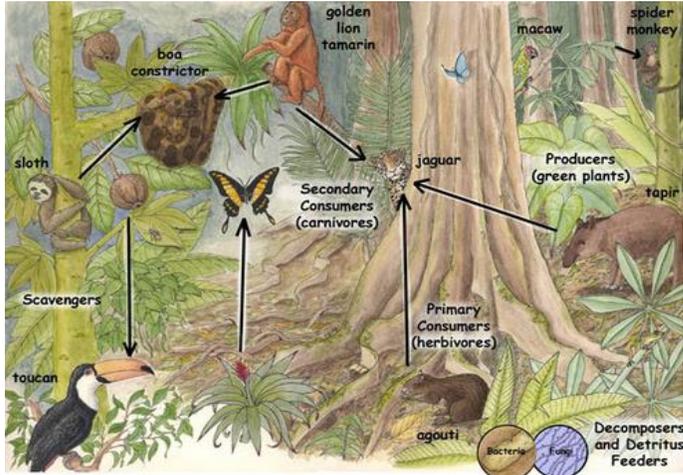
- Oxford is a city in Oxfordshire. Oxfordshire is a county in England. England is in a group of countries called The United Kingdom of Great Britain and Northern Ireland (UK). The United Kingdom is in a continent called Europe.
- A continent is a group of countries.
- The seven continents of the world: Asia, Africa, Europe, Oceania, North America, South America and Antarctica.
- Rainforests are generally found near the equator because this is where the planet gets the most sunlight.

RE - How should we care for the world?

Christian/Jewish creation story
 Story of Jesus in the Desert
 7 wonders of the natural world: Rio Harbour, Great Barrier Reef, Grand Canyon, Aurora Borealis, Victoria Falls, Paricutin Mexico, Mount Everest

 **UN Convention of the Rights of the Child**

13 – You have the right to find out things and share what you think with others
 29 – Your education should help you learn to live peacefully, protect the environment and respect other people



Feeling Curious?

Links to more knowledge

<https://www.dkfindout.com/uk/animals-and-nature/habitats-and-ecosystems/rainforest-layers/>
<https://www.dkfindout.com/uk/animals-and-nature/habitats-and-ecosystems/amazon-rainforest/>
<https://www.dkfindout.com/uk/earth/continents/>
<https://www.dkfindout.com/uk/earth/deserts/what-is-desert/>
<https://www.dkfindout.com/uk/earth/mountains/himalayas/>

Books

The Big Book of Birds
 The Big Book of Beasts
 The Big Book of Bugs
 Non – Fiction texts focusing on habitats