

Task 1 - Biomes

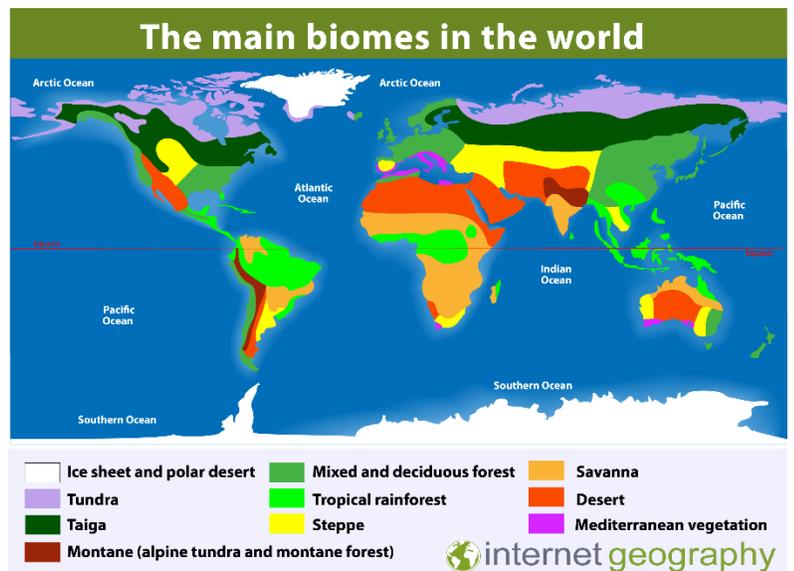
Create an information poster for one of the following Biomes:

- Desert
- Woodland
- Tundra
- Rainforest

This lesson requires you to research your chosen biome and then present your work in a colourful, attractive and informative poster.

More detailed information about what a biome is:

A biome is a community of plants and animals that have common characteristics for the environment they exist in. They can be found over a range of continents. Biomes are distinct biological communities that have formed in response to a shared physical climate.



The following page will show you four good examples of biome posters created by other children. Take a look and then try to plan what your poster will include. Remember to have fun when creating your biome poster. Please send your teachers photos of all your hard work!

The Tundra Biome

Temperature
The average temperature in the tundra ranges from 50°F to 100°F. The temperature is usually below 50°F.

Snow Here
The snow here is very soft and light. It is made of small snowflakes. It is very light and fluffy. It is very soft and light. It is made of small snowflakes. It is very light and fluffy. It is very soft and light. It is made of small snowflakes. It is very light and fluffy.

Arctic Fox
The Arctic fox has a white coat in the winter. It has a brown coat in the summer. It has a white coat in the winter. It has a brown coat in the summer. It has a white coat in the winter. It has a brown coat in the summer.

Red Sled
The Red Sled is used to carry heavy loads. It is made of wood and is very strong. It is used to carry heavy loads. It is made of wood and is very strong. It is used to carry heavy loads. It is made of wood and is very strong.

Caribou Moos
The Caribou Moos is a large animal. It has large antlers. It is very strong and fast. It is used for meat and fur. It has large antlers. It is very strong and fast. It is used for meat and fur.

Lichen
Lichen is a plant that grows in the tundra. It is very small and green. It is used for food. It is very small and green. It is used for food. It is very small and green. It is used for food.

Gullies
Gullies are formed by water. They are deep and narrow. They are formed by water. They are deep and narrow. They are formed by water. They are deep and narrow.

Welcome To The Desert Biome

Temperature
The average temperature in a desert is about 100°F to 150°F. The temperature is usually above 100°F.

Bottle Bush
The Bottle Bush is a plant that grows in the desert. It has a bottle-shaped body. It is used for food. It has a bottle-shaped body. It is used for food. It has a bottle-shaped body. It is used for food.

Wood Rat
The Wood Rat is a small animal. It has long ears. It is very strong and fast. It is used for food. It has long ears. It is very strong and fast. It is used for food.

Red Kangaroo Ants
The Red Kangaroo Ants are very small. They live in colonies. They are used for food. They live in colonies. They are used for food. They live in colonies. They are used for food.

Fennec Fox
The Fennec Fox has large ears. It is very small. It is used for food. It has large ears. It is very small. It is used for food.

Saguaro Cactus
The Saguaro Cactus is a large plant. It has two arms. It is used for food. It has two arms. It is used for food. It has two arms. It is used for food.

Cholla Cactus
The Cholla Cactus is a small plant. It has many arms. It is used for food. It has many arms. It is used for food. It has many arms. It is used for food.

Arctic Squirrel
The Arctic Squirrel is a small animal. It has a long tail. It is very strong and fast. It is used for food. It has a long tail. It is very strong and fast. It is used for food.

Tropical Rain Forest

BIOMES

Tropical Rain Forests are a tropical wet climate located near the equator. They are home to millions of plants & animals!

Rain Forest Facts:

- The rain forest has 4 Layers.
- More species of animals live in the rain forest than anywhere else!
- 1 1/2 acres of rainforest are lost every second.
- At least 3000 fruits are found in the rain forests.
- Rain forests help to maintain Earth's fresh water.

TUNDRA BIOME

THE BARREN LAND

The Tundra Biome covers about 20% of the Earth's surface and is mostly located near the North Pole. It is Earth's chilliest biome. Snow is a big part of the daily life for inhabitants most of the year.

There are only 48 kinds of land mammals although millions of birds migrate there each year for the marshes. There are also a few fish species such as the flatfish.

PENGUINS

ARCTIC FOX

CARIBOU

SNOWY OWL

Task 2

Read the following information and then complete the task below.

What is a biome?

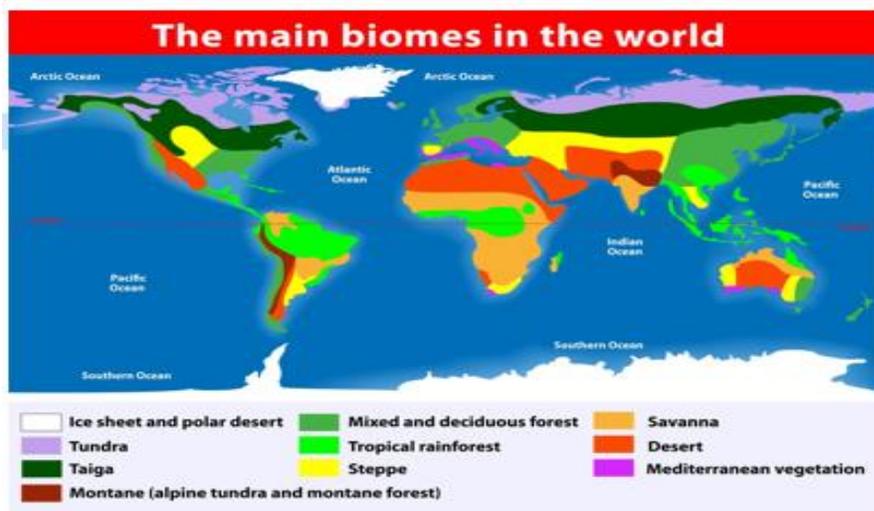
Scientists divide the world into large natural areas called **biomes**.

Each biome is known for certain kinds of plants and animals. But what's really at the heart of a biome is its **climate**.

Why is climate important?

Climate is important because it determines the types of plants and animals—the ecosystem—that can survive in a biome.

What does climate mean?

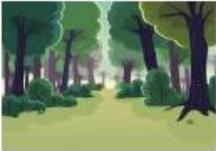


Can polar bears survive in the Sahara desert?



Now that you know more about what biomes are, look at the comparing biomes task below.

Complete the table below by filling in the missing details for each biome. Write down as many answers as you can find for each box.

BIOME	LOCATION	WEATHER	PLANTS	ANIMALS
RAINFOREST 	Where might you find rainforests in the world? Brazil?	What kind of weather would you expect to see in this biome? Humid?	What type of plants might you find here? Banana trees?	What kind of animals might you find in this biome? Orangutan?
DESERT 				
TUNDRA 				
WOODLAND FOREST 				
AQUATIC 				
Can you think of another biome?				

More information to help you out.

Biomes are areas of our planet with similar **climates, landscapes, animals** and **plants**. What lives in each biome depends on:

- how warm or cold it is
- how dry or wet it is
- how fertile the soil is

The animals in a biome depend upon plants for food. The plants in a biome often also depend upon the animals for spreading pollen and seeds so that new plants can grow. So both plants and animals rely on each other to stay alive.

Types of biome

Tropical **rainforests** are hot and wet all year round. They are home to half of all the different types of plants and animals on the planet.

Deserts are hot and dry all year round. The only things that grow are cacti and small shrubs because the soil is shallow and rocky. Animals come out at dusk when it is cooler.

The **savannah** is hot all year round with a long, dry season. Only grasses and shrubs grow here but it is home to lots of different types of animals such as elephants, zebras and wildebeest.

Woodlands are habitats where the main plants found are trees, but mosses, ferns and lichen can also be found. The climate is warm and mild, with more rain falling in the winter than the summer.

Grasslands are areas of land that are vast and open, with grasses being the main plants. The largest grasslands are found in East Africa. Zebras, giraffes, elephants and rhinos can all be found living in grasslands.

The **tundra** is the coldest of all the biomes. There is very little rain or snow and the temperatures are freezing. Winters are long and summers are short. Part of the soil is frozen all year round, although the top part defrosts in summer and plants such as mosses can grow.