Northgate Primary School Year 6 Knowledge Organiser — World Biomes

Glossary	
tundra	A vast, flat, treeless Arctic region which is permanently frozen.
desert	A waterless, desolate area of land with little or no vegetation, typically covered in sand.
rainforest	A dense forest found typically in tropical areas with consistently heavy rainfall.
woodland	Land covered with trees.
grassland	A large open area of country covered with grass, especially one used for grazing.
savannah	A grassy plain in tropical regions, with few trees.
climate	The weather conditions prevailing in an area in general or over a long period.
ecosystem	A biological community of interacting organisms and their physical environment.
organism	An individual animal, plant or single-celled life form.

Overview

In this topic, we will learn about the world's six major biomes including the tundra, desert, rainforests, woodlands, grasslands and the savannah. We will explore the climate and locations of each biome around the world using maps and atlases. We will also research the plants and animals that live in each biome and learn about the threats that particular biomes are facing.

What is a biome?

Biomes are naturally occurring areas on Earth which share similar landscapes and climates and are home to similar animals and plants. Other factors such as temperature, geology and soil are also considered when defining a biome. The whole world is split into different biomes.


Tundra


Desert


Rainforest


Woodland


Grassland


Savannah

Useful Websites
https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zvsp92p&zmvsf82
https://school-learningzone.co.uk/key_stage_two/ks2_geography/climate_zones_and_biomes/climate_zones_and_biomes.html
https://www.ducksters.com/science/ecosystems/world_biomes.php
https://kids.britannica.com/kids/article/biome/403913

Links to previous knowledge	
Y1	Grasslands and savannah can be found in Africa.
Y2	A study into Antarctica as a tundra biome.
Y4	A study into desert and rainforest biomes including climate, vegetation and animals.

Threats to World Biomes
Pollution Rubbish, plastic, and harmful chemicals end up in rivers, oceans, and even the air. This pollution can poison animals and damage their habitats.
Climate Change The Earth is getting warmer because of pollution from cars, factories, and burning fossil fuels (like coal and oil). This change in climate can melt ice in cold biomes or cause droughts in dry ones, making it hard for animals and plants to survive.
Deforestation This means cutting down too many trees. In places like the Amazon rainforest, trees are chopped down to make room for farms, roads, or buildings. This destroys animal homes and harms the environment.
Invasive Species Sometimes, plants or animals are moved from one place (often by humans) to another. These "invasive species" can take over and push out local plants and animals.

