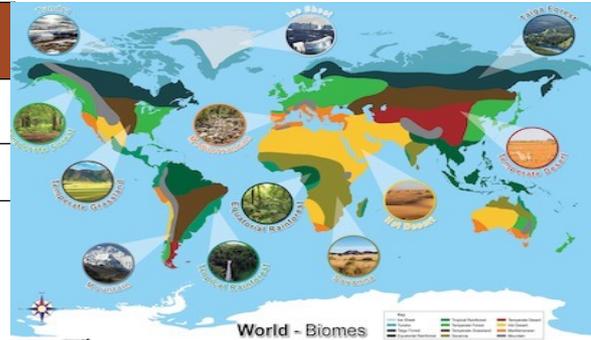


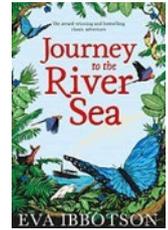
Year 6 Geography Knowledge Organiser: Biomes, Climate Zones and Vegetation Belts

Key Vocabulary

organism	A living thing, such as an animal or plant.
interdependent	How one living thing needs another to live.
Equator	An imaginary line around the centre of the Earth.
weather	A description of what the conditions are like in a particular place.
climate	A description of the average weather conditions in a certain place.
biome	Areas of our planet with similar climates, landscapes, animals and plants.
biodiversity	The wide variety of organisms in the world.
hemisphere	It is half the Earth divided into north and south by the equator.
vegetation	The plant life of a region.
adaptation	Special features that help a living organism to survive- either physical or behavioural.
ecosystem	A community of animals, plants and microorganisms together with their habitat.
environment	The physical surroundings, including everything living and non-living.
organism	an individual animal, plant, or single-celled life form.



Read All About It



Key Knowledge

- The tundra biome covers approximately one fifth of the Earth's surface.**
- Climate is affected by the following:**
 - distance from the Equator
 - distance from the sea
 - its sea level
 - its position on a continent
- The Earth has five invisible lines to mark latitude and longitude:**
 - Equator
 - Tropic of Cancer
 - Tropic of Capricorn
 - Arctic Circle
 - Antarctic Circle
- Biomes are defined by the dominant vegetation, for example, a deciduous forest is made up of mostly non-evergreen trees.**
- Polar bears have adapted to suit their environment: they have blubber and thick fur for warmth; they have white fur for camouflage; they have wide paws and claws for walking over ice.*
- Rainforests only cover 6% of our planet but still produce 40% of our oxygen.

Types of Biomes

- Deserts: hot and dry
- Savannah: hot with a long, dry season
- Tundra: the coldest biome
- Temperate grassland: vast and grass is the main type of vegetation
- Rainforest: warm, wet and dense
- Deciduous forest: a distinct winter season and year-round rainfall
- Taiga: the driest and coldest of the three forest biomes.

Types of Climate

- Polar
- Temperate
- Arid
- Wet tropical
- Mediterranean
- Tundra