

Science Knowledge Organiser

Year 2

Autumn (ii)

How do different habitats support the basic needs of animals?

Portable Knowledge -

A habitat is a place where an animal or plant makes its home.

A habitat meets the basic needs of the animal or plant.

To match living things to their habitat

Gobi Desert



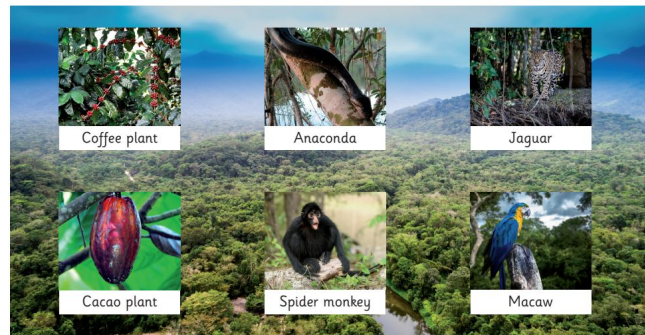
Great Barrier Reef



The Arctic



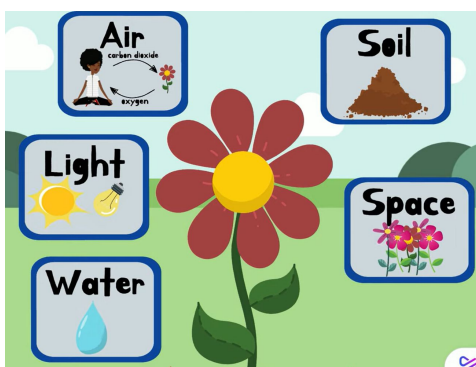
Amazon Rainforest



To describe how the habitat meets the basic needs of the animal.

Animal's basic survival needs include:

- food—carnivorous (eats meat), including fish, birds, reptiles, and mammals
- shelter from weather and predators—have camouflage and can submerge for long periods of time
- water—provided by diet and from freshwater sources
- a place to raise young



To describe how the habitat meets the basic needs of the plant.

Plants need: water, light, soil (nutrients), air and space to stay alive.

To know what plants need to grow and stay healthy.

A healthy plant is usually upright with green leaves. Plants need air, light, warmth, water and nutrients to be healthy.

If a plant doesn't have one of these, it could affect its growth or even die. A plant that is not watered will have a weak stem and dried-up leaves and will eventually die.

For example, a plant that is kept in a dark place will grow tall and spindly in search of light and then become weak and die. If they are healthy, they can continue making their own food using sunlight.

A seed will not produce a plant at all if it is kept too cold. The seed needs warmth to germinate (develop from a seed into a plant) and start to grow into a healthy plant.

To ask simple questions to investigate and explain observations.
To gather and record data about a variety of plants and animals.

What happens if a plant doesn't have light?

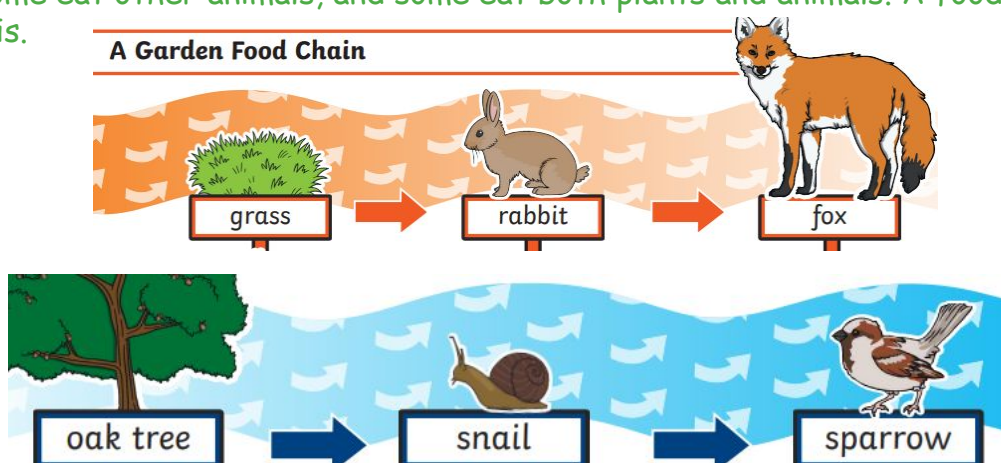
Can a plant grow without soil?

Do all plants grow at the same rate?



To know how living things depend on one another.

All living things depend on each other and on their environments. Some animals eat plants, some eat other animals, and some eat both plants and animals. A food chain shows this.



Core vocabulary

Habitat - A habitat is the place where living things naturally live and grow.

Life processes - They are the series of actions that are essential to decide if an organism is alive.

Living things - Things which can grow, move, breathe and reproduce.