

Key Vocabulary

adult	A fully grown up animal or plant.
develop	To grow and become stronger.
life cycle	The changes living things go through to become an adult.
offspring	The child of an animal.
reproduce	When living things make a new living thing of the same kind.
young	Offspring that has not reached
live young	Offspring that has not hatched from an

All young animals change at different stages as they grow into adults.

All living things **reproduce** and have **offspring**.

Some animals give birth to **live young**. Their offspring normally look like them when they are born.

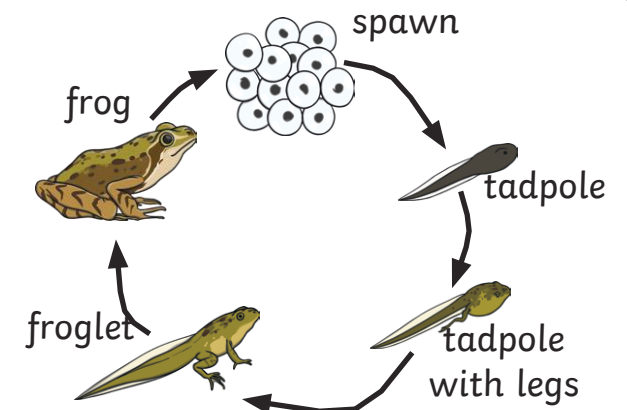
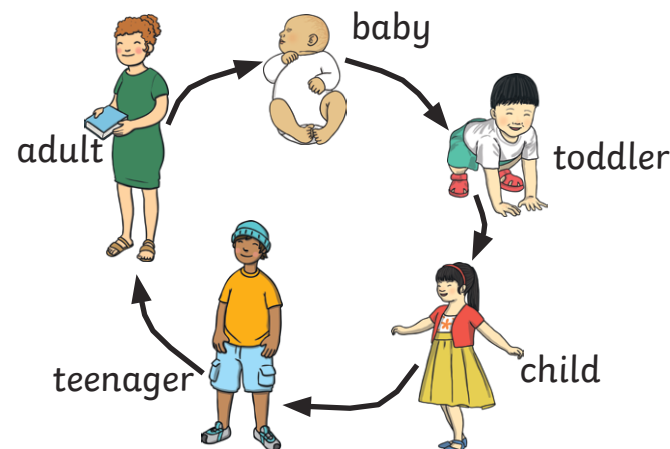
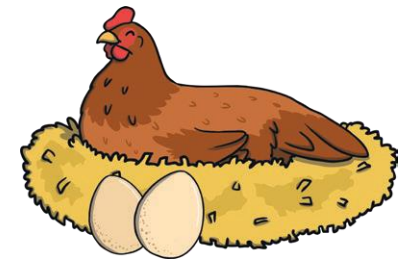


Other animals have offspring which do not look like them, e.g. fish and amphibians.



Some animals lay eggs which hatch into live young. This **young** then develops into an **adult**.

When these eggs hatch, some animals look like their adult, e.g. birds and reptiles.



Key Vocabulary

dehydrate	To lose water (dry out).
diet	The food and water that an animal needs.
disease	Illness or sickness.
energy	The power needed to carry out a task.
exercise	A physical activity to keep your body fit.
germs	Bugs that cause disease and illness.
heart rate	The number of times a heart beats in one minute.
hygiene	How clean something is (to stay healthy and stop disease and illness spreading).
nutrition	Food needed to live.
pulse	The beating of the heart that can be felt in your neck and wrist.

To stay alive, all animals have 3 basic needs:



air



water

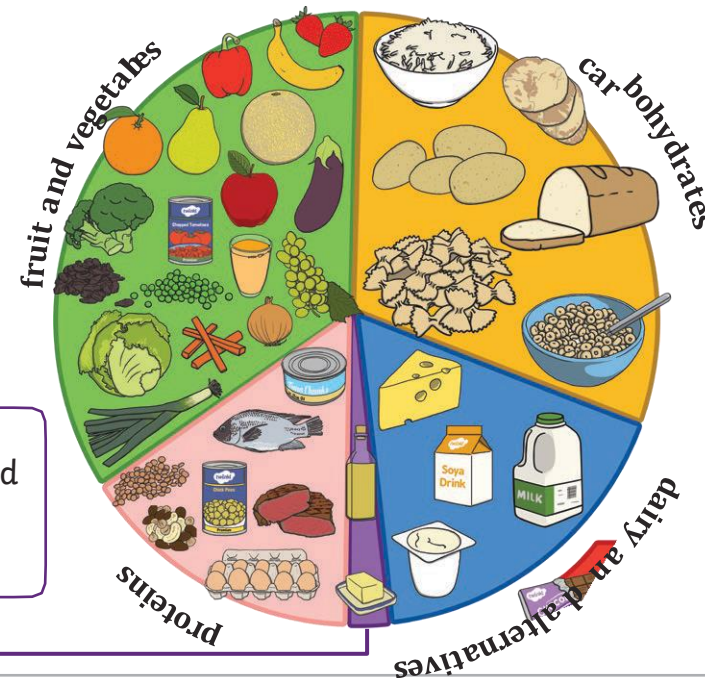


food



To grow into a healthy adult, we must eat the right types of food in the right amount and **exercise**.

Eatwell Guide



oils and spreads
Choose unsaturated oils and use in small amounts.

Water, lower fat milk, sugar-free drinks including tea and coffee all count.



Eat less often and in small amounts.



To stop illness and infections spreading, we must be hygienic and keep ourselves clean.



Key Vocabulary

life processes These are the things that all **living** things do. They move, breathe, sense, grow, make babies, get rid of waste and get their energy from food.

living Things that are **living** have all the **life processes**.

dead Things that are **dead** were once **living**. They did have all the **life processes** but don't now.

never living Things made out of metal, plastic or rock were **never living**. They never had the **life processes**.

food chain A **food chain** shows how each animal gets its food. **Food chains** are one of the ways that **living** things **depend** on each other to stay alive.

food sources This is the place a **living** thing's food comes from.

Key Knowledge



living

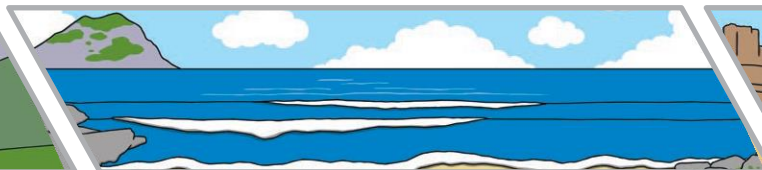
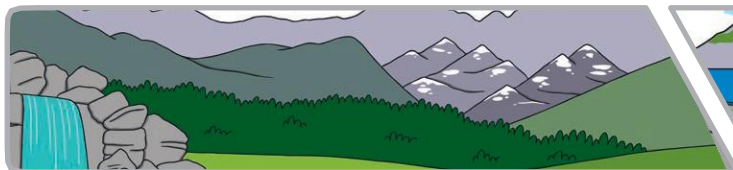


dead



never living

Food chains. The arrows mean 'is eaten by'.



Key Vocabulary

habitat A **habitat** is the natural place something lives. A **habitat** provides **living** things with everything they need to **survive** such as food, shelter and water.

microhabitat A **microhabitat** is a very small **habitat** in places like under a rock, under leaves or on a branch. Minibeasts live in **microhabitats**. The **microhabitats** have everything they need to **survive**.

depend Many **living** things in a **habitat** **depend** on each other. This means they need each other for different things.

survive This means to stay alive.

Examples of **microhabitats**:



short grass



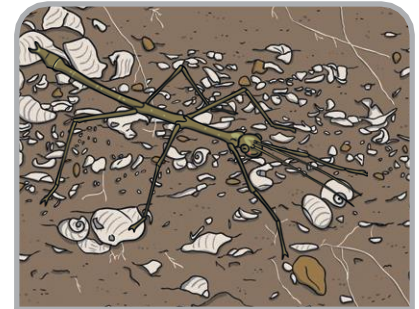
flowers



inside rotting wood



under leaves



in and on soil

Key Knowledge

Examples of **habitats**:



woodland



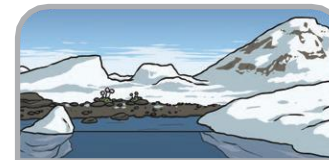
urban



coastal



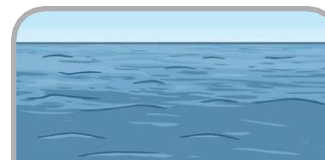
rainforest



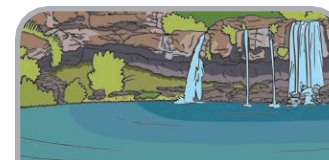
arctic



desert



ocean



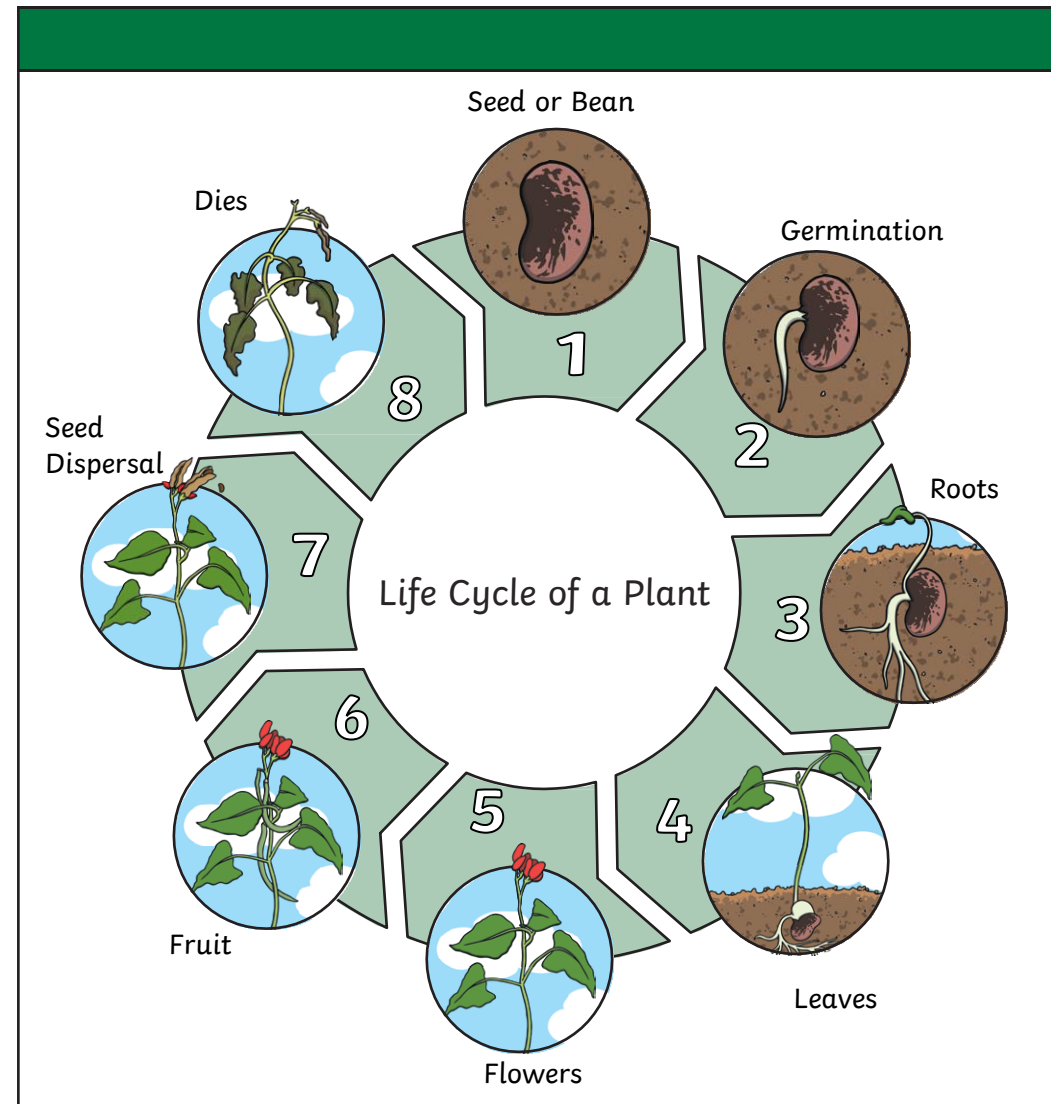
river



mountain

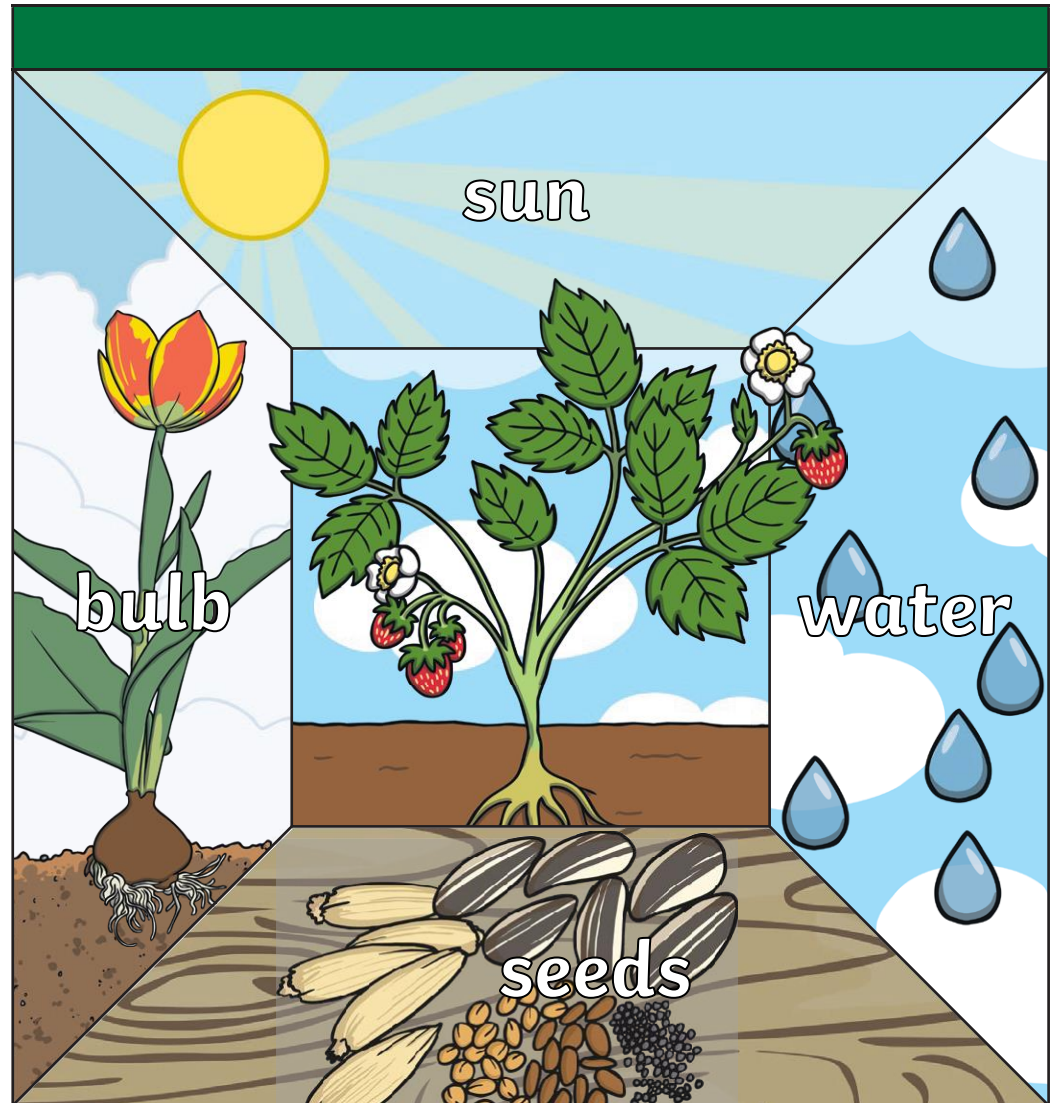
Key Vocabulary

germination	When the conditions are right, the seed soaks up water and swells, and the tiny new plant bursts out of its shell. This is called germination .
sprout	When a plant sprouts , it grows new shoots .
shoot	A shoot grows upwards from the seed or plant to find sunlight .
seed dispersal	Seed dispersal is when the seeds move away from the parent plant. They can be moved by the wind or animals.



Key Vocabulary**What do plants need to grow well?**

sunlight	All plants need light from the sun to grow well. Some plants need lots of sunlight . Some plants only need a little sunlight .
water	All plants need water to grow. Without water , seeds and bulbs will not germinate .
temperature	Temperature is how warm or cold something or somewhere is. Some plants like cooler temperatures and some like warmer temperatures .
nutrition	Food or nourishment. Plants make their own food in their leaves using sunlight .

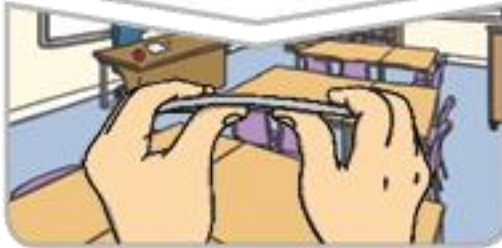


Key Vocabulary	
materials	Materials are what objects are made from.
suitability	Suitability means having the properties which are right for a specific purpose.
properties	This is what a material is like and how it behaves (soft, stretchy, waterproof).

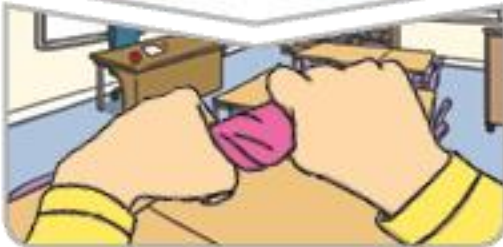
Squash an object by pushing both hands together.



Bend an object by grabbing both ends of the object and bringing the ends inwards together.



Twist an object by turning your hands in opposite directions.



Stretch an object by pulling your hands slowly and gently apart.



Key Knowledge

Properties of Materials



wood:

hard, stiff, strong, opaque, can be carved into any shape.



glass:

waterproof, transparent, hard, smooth.



plastic:

waterproof, strong, can be made to be flexible or stiff, smooth or rough.



metal:

strong, hard, easy to wash.



paper:

lightweight, flexible.



cardboard:

strong, light, stiff.



fabric:

soft, flexible, hard-wearing, can be stretchy, warm, absorbent.



rubber:

hard-wearing, elastic, flexible, strong.

