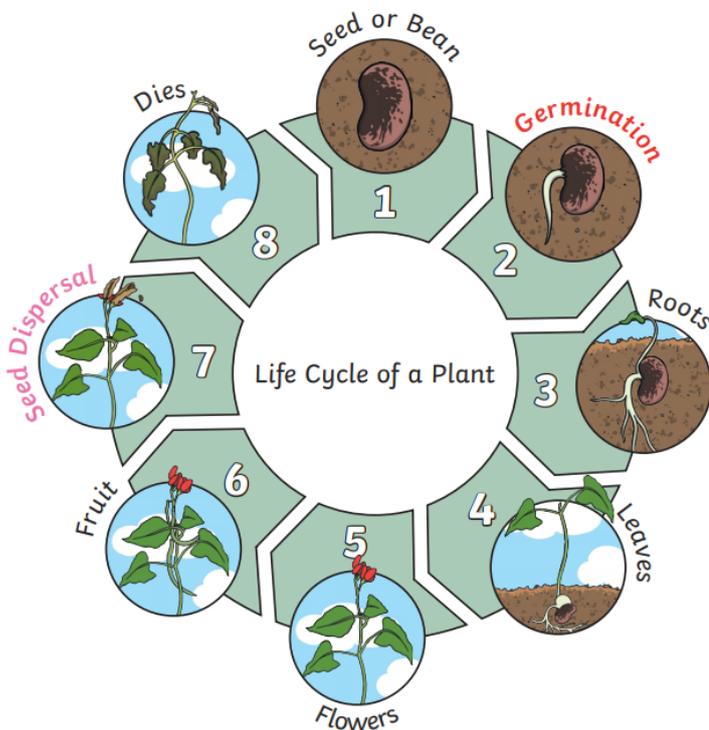


Year 2 Knowledge Organiser - Summer Term

Plants and Animals, Including Humans



Key vocabulary:

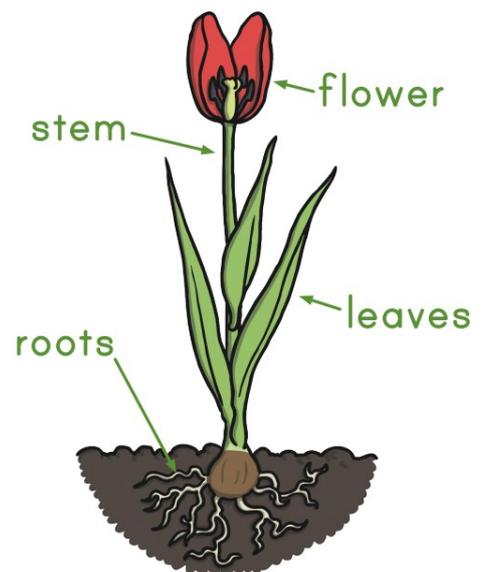
Germination: When the conditions are right, the seed soaks up water and swells, and the tiny new plant bursts out of its shell.

Sprout: When a plant sprouts, it shows new shoots.

Shoot: A shoot grows upwards from the seed or plant to find sunlight.

Seed dispersal is when the seeds move away from the parent plant. They can be moved by the wind or animals.

Parts of a Plant



Key facts:

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 facts:

Flower: The flower attracts insects to help them reproduce (make more plants).

Stem: The stem transports water around the plant.

Leaves: The leaves make food for the plant using sunlight.

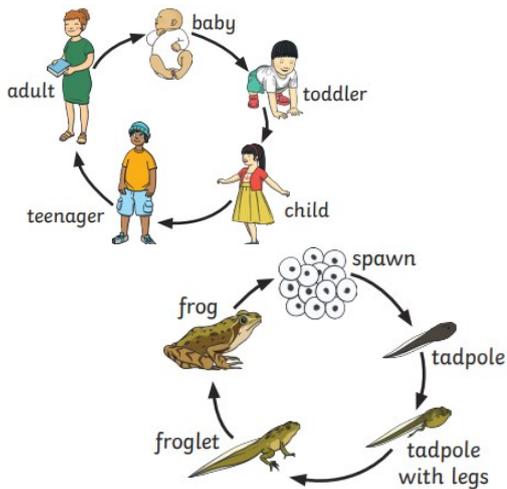
Roots: Roots absorb water and keep the plant anchored to the ground (keeps it safe in the soil).

Year 2 Knowledge Organiser - Summer Term

Plants and Animals, Including Humans

All living things follow a life cycle.

Here are two examples:



Key vocabulary:

Adult: A fully grown 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 adulthood.

Live young: Offspring that has not hatched from an egg.

Key facts:

Animals, including humans, need 3 things to stay alive. Air, water and food.

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.

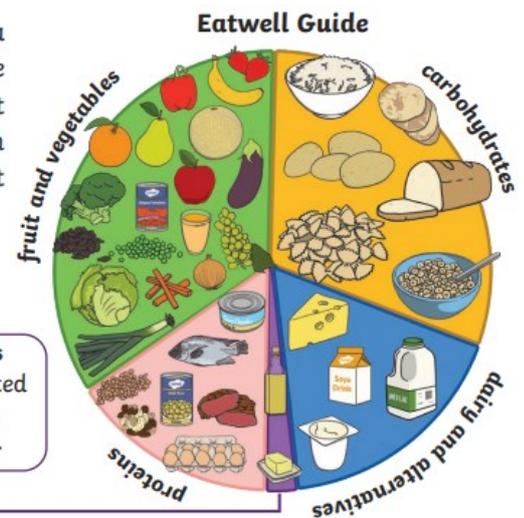
Heart rate: The number of times a heart beats in one minute.

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



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

Eat less often and in small amounts.



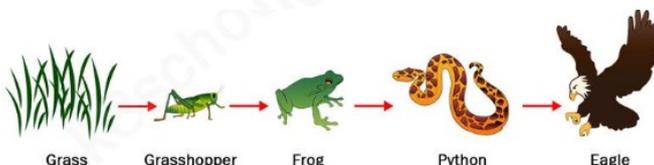
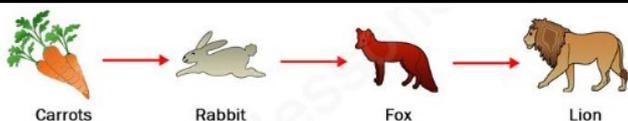
Water, lower fat milk, sugar-free drinks including tea and coffee all count.



Key facts:

Different animals get food from different places. Everything is placed in a **food chain** to show what it eats and what it's it!

A **consumer** eats other living things whereas a **producer** produces its own food (plants do this by using sunlight). **Predators** hunt for their **prey** (animals hunt and eat other animals).



Knowledge Organiser Quiz

What do plants need to survive?

Insects, food and games.	Water, good temperature and light.	Air, snow and nutrition.	Pizza, fizzy drink and a torch.
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What does the stem of the plant do?

It keeps the plant upright.	It keeps the plant in the soil.	It carries water to other parts of the plant.	It carries sunlight to the petals.
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What does germination mean?

When a plant starts to grow from the seed.	When a seed is soaked in hot water.	When insects visit the plant.	When sunlight gets turned into food for the plant.
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How can seeds be dispersed?

Plants take them to another plot of soil.	The seeds walk to plant themselves.	Postmen and postwomen deliver them.	Animals and the wind.
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How many glasses of water should you drink a day?

6-8	4-5	3-4	8-10
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What are live offspring?

Animals that are hatched from an egg.	Animals that are born living and are not hatched from an egg.	Animals that can have babies.	Animals that are very lively and energetic.
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What does it mean if a living thing is dehydrated?

That it needs to buy some water from the shop.	When something has had too much water.	Something that has drunk too much tea.	Something that has dried out from lack of water.
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What is a food chain?

A collection of shops that sell food.	An individual shop that sells groceries.	The order in which living things eat one another.	The story of how plants make their own food.
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