

# NPA Knowledge Organiser: Year 2 Science - Autumn 2



**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

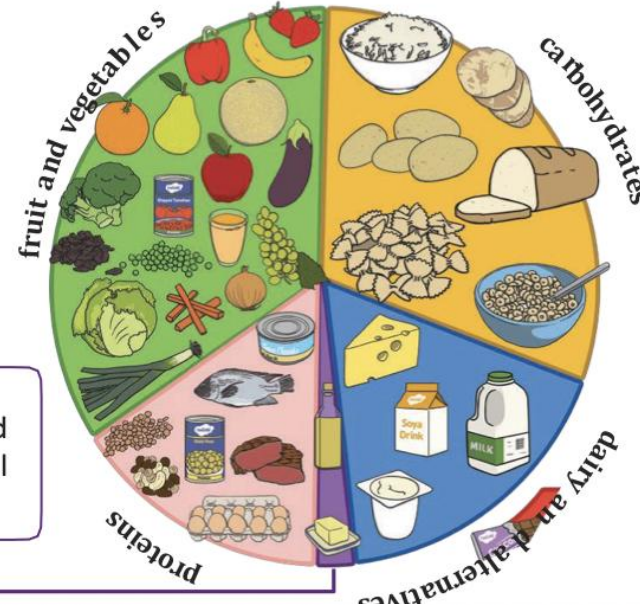


food



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.



"I am not an animal lover if that means you think things are nice if you can pat them, but I am intoxicated by animals."

*David Attenborough*



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

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.



## The 6 Basic Animal Groups



Invertebrates



Fish



Amphibians



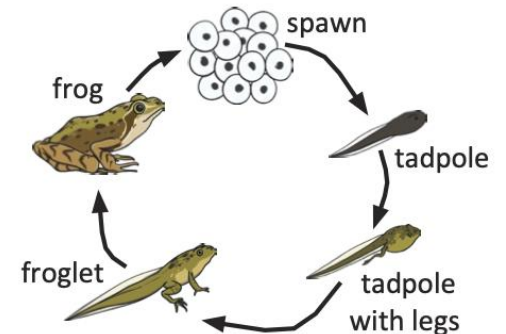
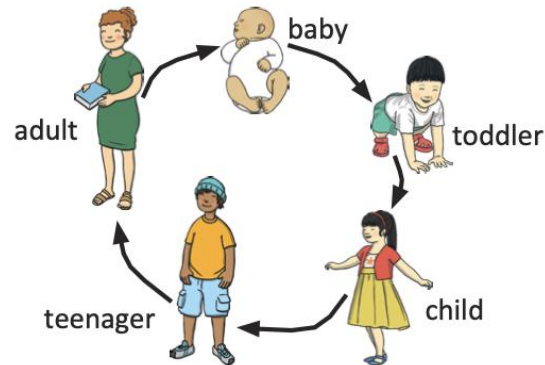
Reptiles



Birds



Mammals



[https://www.youtube.com/watch?v=PHq2q\\_PgiUM](https://www.youtube.com/watch?v=PHq2q_PgiUM)  
Frog Life Cycle Time Lapse