



Science Knowledge Organizer

Science focus: Animals including Humans.
Strand: Biology



Previous Learning- In Year 1, you learnt:

- Vertebrates are animals that have a backbone.
- Some animals are suitable to be kept as pets but others are not.
- Some animals give birth to live young but others lay eggs.
- Doctors and nurses give us medicine when we are poorly.

Key Scientist

Louis Pasteur
(1822-1895)
Biologist & Chemist



All living things have basic needs. They all need food, water and air to survive.



How do Humans Change?



baby

child

teenager

adult

senior

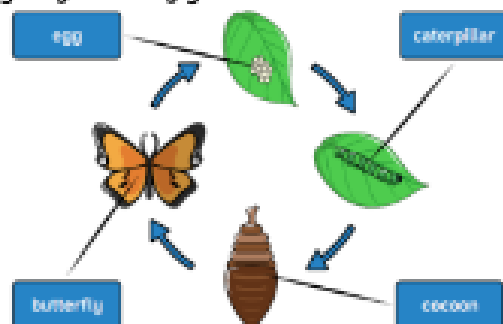
What do humans need to stay healthy?

To keep healthy, humans need:

- To exercise regularly
- To eat a healthy diet
- To make sure we keep a good hygiene.

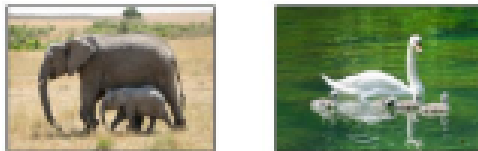


Lifecycle of a Butterfly

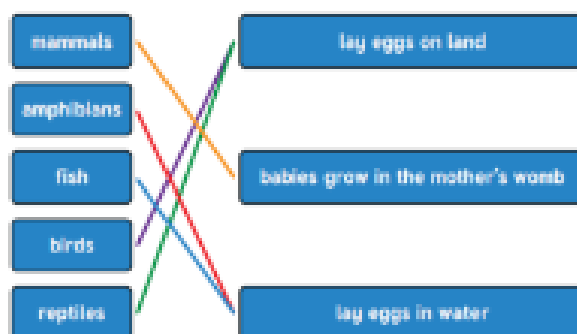


Offspring

All animals including humans reproduce and have offspring. This means they make another one of the same species.



How do different animals produce their offspring?



Key Vocabulary

Change	When something becomes different.
Diet	The food that an animal eats.
Exercise	When you complete an activity that increases your heart rate.
Healthy	Good for you.
Hygiene	Being clean in order to prevent illnesses.
Life cycle	The stages an animal goes through throughout their life.
Offspring	The babies that an animal produces.
Reproduce	To produce offspring.
Species	A group.
Survive	To stay alive.

Sticky Knowledge

- Different animals move in different ways to help them survive.
- Exercise and a good diet keeps animals' bodies in good condition and increases survival chances.
- Animals reproduce new animals when they reach maturity. Some animals give birth to live young and some animals lay eggs.
- Animals grow until maturity and then don't grow any larger. All animals eventually die.
- To stop illness and infection we need to maintain a healthy lifestyle and keep ourselves clean.