



Science

Living Things and Their Habitats

Comparing Life Cycles



twinkl



Aim

- I can compare the life cycles of plants, mammals, amphibians, insects and birds.

Success Criteria

- I can identify the stages of a bird's life cycle.
- I can describe the similarities and differences between different plants' and animals' life cycles.

What is an Egg?



All species of birds lay eggs. If the eggs are fertilised, they will contain the bird embryo, which will develop inside the egg until it is ready to hatch.

The chicken eggs that people eat are not fertilised, so they do not contain baby chickens.

However, we can explore chicken eggs to find out more about them.

What parts of an egg can you name? Tell your partner.



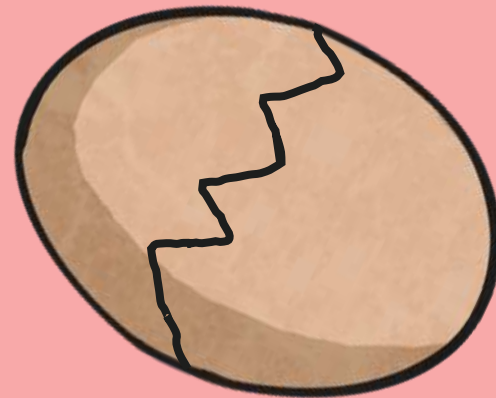
What is an Egg?



Look closely at the outside of your egg. What is this part of the egg called? What is it for?



Now crack it open. What parts of the egg can you identify? What is their function?



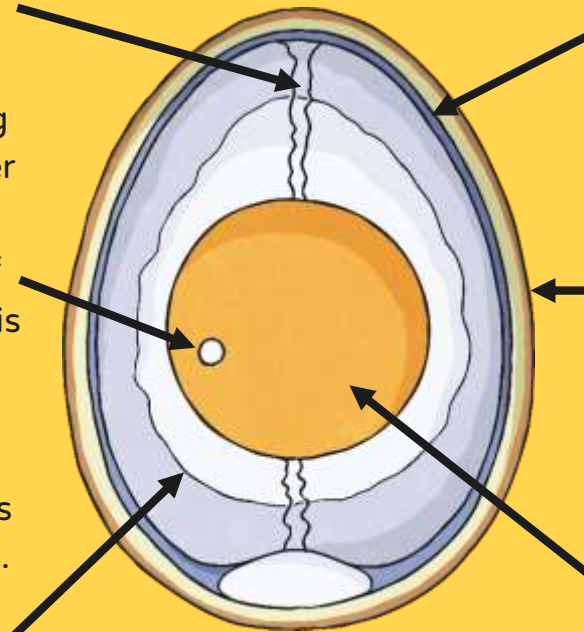
Parts of an Egg

Can you identify all these parts in the egg you have cracked open?

Chalaza - Cords that keep the yolk in the centre.

Germinal disc - If an egg is fertilised, the sperm enter through the germinal disc and travel to the centre of the yolk, where an embryo is formed.

Albumen - The albumen is made of water and protein. It cushions the yolk and provides nutrition for a developing embryo.



Shell membranes - The inner and outer shell membranes separate to form the air cell.

Shell - Protects the inside of the egg. It contains thousands of small holes to allow air to move through the shell.

Yolk - Contains proteins and fats that provide the main source of nutrition for the embryo.

Life Cycle of a Bird



The egg is a key stage in the life cycle of a bird. Can you put all the stages in order to show the life cycle?

The adults
mate and
reproduce.

The egg
hatches, and
the adults
provide food for
the chick.

A fertilised
egg is laid by
the female.

The young bird
leaves the nest
and continues
to grow into an
adult.

The chick
grows and
develops.



Life Cycle of a Bird



The adults mate and reproduce.

A fertilised egg is laid by the female.

The egg hatches, and the adults provide food for the chick.

The young bird leaves the nest and continues to grow into an adult.

The chick grows and develops.

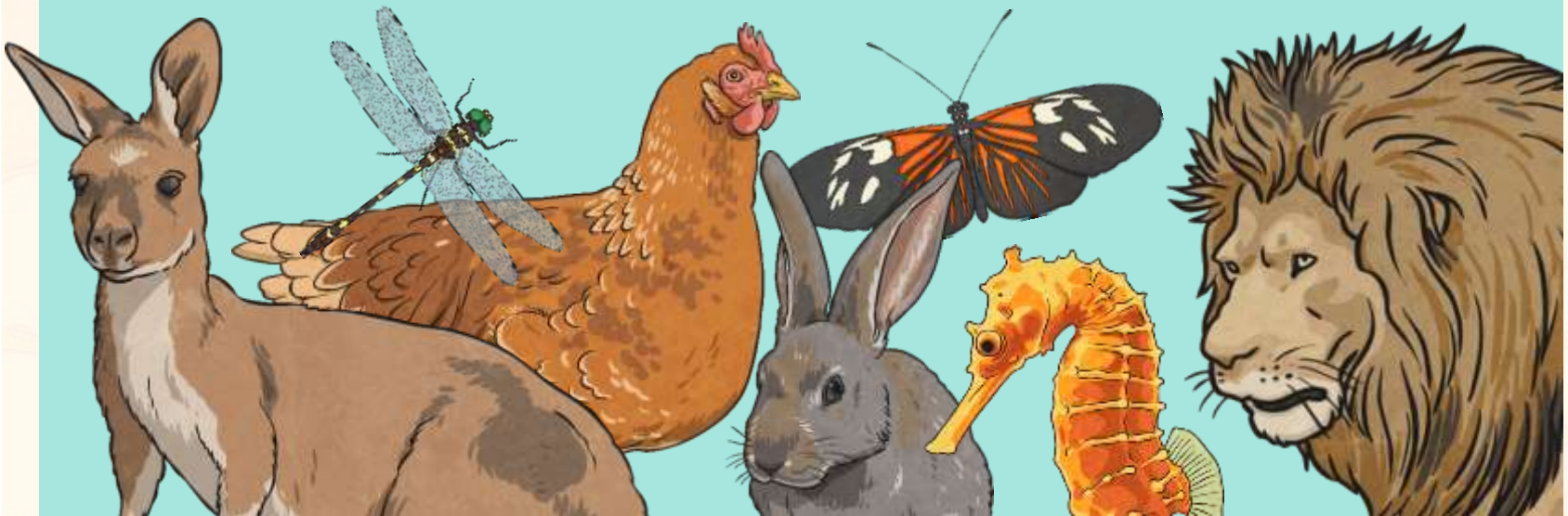
How did you do?



Comparing Life Cycles



Different plants and animals all have different life cycles. Their life cycles share some similarities and have some differences between them.



Watch this clip to see which stages of the life cycles of living things you can spot.

<http://www.bbc.co.uk/education/clips/zp62tfr>

Life - Activity



You will take on the role of a wildlife documentary presenter. You have been asked to narrate a programme called 'Life', all about the life cycles of different living things and the way they reproduce.

Make sure you include the life cycles of plants, mammals, birds, insects and amphibians.

Use the planning sheet to write a script of what you would say. If you can, try to film it and upload it to Google Classroom.



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