



# Science

## Living Things and Their Habitats



# Metamorphosis





# Aim

- I can compare the life cycles of amphibians and insects.

# Success Criteria

- I can explain metamorphosis and give examples.
- I can describe the life cycles of amphibians and insects.
- I can describe the similarities and differences between the life cycles of amphibians and insects.



# Metamorphosis

Metamorphosis is a process by which animals undergo an abrupt and obvious change in the structure of their body and their behaviour.

Some animals undergo complete metamorphosis, in which they completely transform. Other animals experience incomplete metamorphosis, where they go through several different stages, with each stage getting bigger than the last.

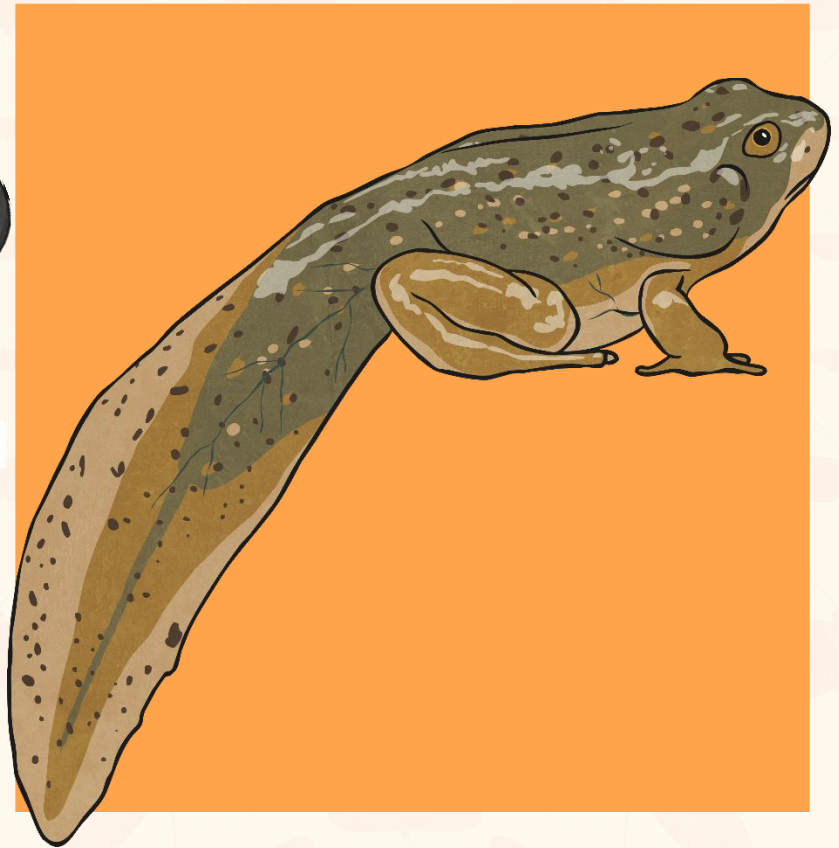




# Animals That Change



Talk to your partner about any animals you know that undergo metamorphosis. How do they change and transform? Use these pictures to help you get started!



# Amphibians and Insects




Amphibians and insects are examples of animals that undergo metamorphosis. Their life cycles show the stages of their transformations.

Can you find the clues around your classroom to complete the life cycles on your Amphibians and Insects Activity Sheet?

### Amphibians and Insects


**frog**

The female lays a mass of \_\_\_\_\_ that are fertilised by the male.




After \_\_\_\_\_

The tadpole grows front \_\_\_\_\_ and its tail shortens. The froglet jumps out of the water onto \_\_\_\_\_.



The tadpole develops \_\_\_\_\_ and hind legs.

The tadpole grows \_\_\_\_\_




The female lays a mass of \_\_\_\_\_ that are fertilised by the male.

**butterfly**

Fertilised eggs are laid by the \_\_\_\_\_.


The eggs hatch \_\_\_\_\_.

The caterpillar forms a hard case around itself called a \_\_\_\_\_.





The caterpillar forms a hard case around itself called a \_\_\_\_\_.

The butterfly breaks out of the chrysalis and \_\_\_\_\_.




Inside \_\_\_\_\_


For 2 or 3 weeks, tadpoles \_\_\_\_\_ from the eggs. They eat \_\_\_\_\_ and small insects \_\_\_\_\_ through gills.

The tadpoles grow \_\_\_\_\_ legs, then \_\_\_\_\_ back legs. They develop lungs to breathe. They look like small \_\_\_\_\_.



\_\_\_\_\_ out of the \_\_\_\_\_ up the stem of a plant. It sheds its \_\_\_\_\_ and emerges as a dragonfly. It will find a mate and \_\_\_\_\_.





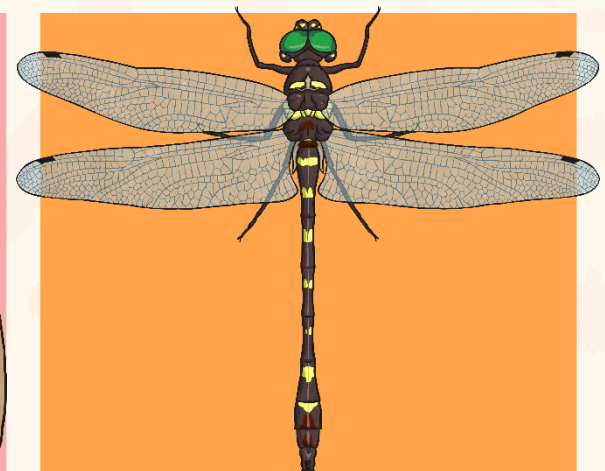
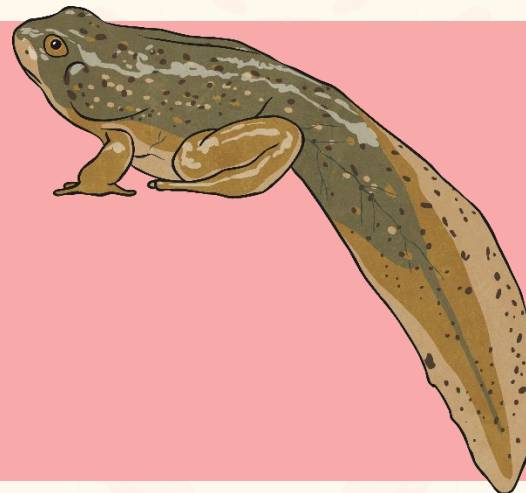
# Comparing Life Cycles



Look at the life cycles you have described on your Amphibians and Insects Activity Sheet.

Can you find 3 similarities between the life cycles of the 4 animals?

Now identify 3 differences between the life cycles.





# Metamorphosis Draw-off



Take turns to draw an animal that undergoes metamorphosis. You can draw it at any stage of its metamorphosis.

Can your partner guess which animal you have drawn? And can they name the other stages in this animal's life cycle?







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Living Things and Their Habitats | Comparing Life Cycles

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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.		

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