



WHAT SHOULD I ALREADY KNOW?

- There are 7 common features of living things: movement, respiration, sensitivity, growth, reproduction, excretion and nutrition
- Animals can be grouped in a variety of ways e.g. vertebrates (backbone) & invertebrates (no backbone) and mammals, reptiles, birds, amphibians and insects.
- Animals & plants can adapt to the habitats they live in.

VOCABULARY

Reproduction	Produce offspring by a sexual or asexual process.
Gestation	Gestation is the period of time between conception and birth
Life cycle	Stages of a life

WEAVING CONCEPTS



NOTABLE SCIENTIST

DAVID ATTENBOROUGH



NATURALISTS

A naturalist studies animals and plants by observation, rather than conducting experiments. One example is Sir David Attenborough, who is known for presenting his findings about animals through television programmes.

DR JANE GOODALL



BEHAVIOURISTS

An animal behaviourist makes scientific studies of everything that animals do, from observations to experiments. One example is Dr Jane Goodall, who is best known for her 55 year study on the behaviour of chimpanzees.

ENQUIRY TYPES

1. Observing changes over time
2. Pattern Seeking
3. Grouping & Classifying
4. Fair Testing
5. Research

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STICKY KNOWLEDGE

A mammal's life cycle	An amphibian's life cycle	An insect's life cycle	A bird's life cycle
Mammals have a 3-stage life cycle. Gestation, where an embryo grows inside the mother. The young mammal grows and develops independence and then when adult, it mates to reproduce.	Amphibians have a 5-stage life cycle. Female lays eggs, which are fertilised by a male. Tadpole breathes through gills. It then grows fins & lungs. It then moves from water to land. Begins to eat insects/plants and takes 2-4 years to become an adult.	Most insects undergo metamorphosis & have a 4 stage life cycle. Firstly, the eggs are laid, then the eggs hatch into larva. A pupa is formed around the larva as it transforms, when it becomes an adult, the insect breaks free of the pupa.	Birds have a 3 stage life cycle. Firstly, the eggs are laid by the mother, when the egg hatches the mother cares for chick, and when it becomes an adult it reproduces.