



Animals

Mammal

Class = Mammal

- vertebrates
- sexual reproduction
- embryos develop inside the mother's womb
- give birth to live babies
- babies fed with mother's milk
- young grow bigger
- adolescents mature into adults

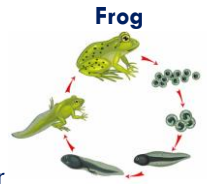


Elephant

Amphibian

Class = Amphibian

- vertebrates
- sexual reproduction
- eggs laid in water
- **embryos** form in eggs outside of the mother
- **larvae** hatch with gills
- all amphibian larvae called **tadpoles** physically change as they mature - **metamorphosis**
- grow legs and lungs
- young grow into adults



Frog

Insect

Class = Insect

- invertebrates
 - sexual reproduction
 - larva feed and grow
 - transform into a pupa
 - eggs laid outside of the mother - larvae hatch
 - a **biochemical change** occurs - larval body broken down and reformed into an adult
 - hatch from **pupa** as an adult
- Incomplete metamorphosis**
- About 10% of insects do not have a pupal form and only have three stages in their life cycle – egg – nymph - adult

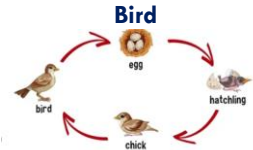
Butterfly



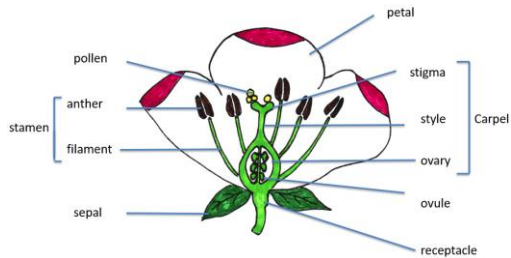
Birds

Class = Bird

- vertebrates
- sexual reproduction
- lay eggs with hard shells
- most eggs kept warm in a nest
- an **embryo** grows from fertilised eggs
- **unfertilised** eggs don't produce chicks
- chicks hatch from hard eggs
- chicks grow more feathers
- mature into adults

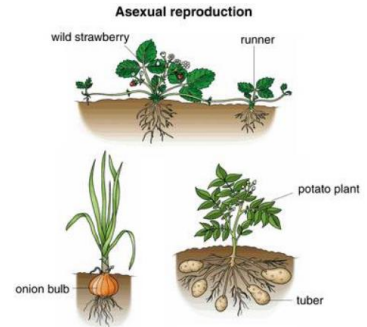


Plants



Sexual reproduction - happens when a male **gamete** and a female gamete join. This is called fertilisation.

Plants



Asexual reproduction – when plants produce offspring from one parent, without flowers or fertilisation.

Significant individuals:

Naturalists and animal behaviourists - A natural scientist/naturalist, studies animals and plants by observation, rather than by experimenting. One example of a naturalist is Sir David Attenborough, who is known for presenting information and findings about animals through innovative and engaging television programmes.

Other naturalists/ animal behaviourists include: Charles Darwin, Jane Goodall, Steve Backshall.



Vocabulary Tier 3

Mammal, amphibian, insect, bird, metamorphosis, embryo, larvae, biochemical change, pupa, fertilised/Unfertilised, sexual/asexual reproduction, gamete, gestation period, lifecycle, incubate

Vocabulary Tier 2

Tadpole
Adolescent
Transform
Observation

