

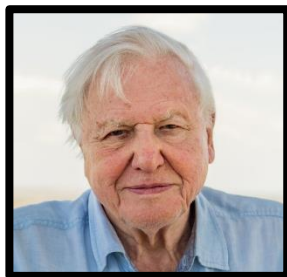
Science Knowledge Organiser

This is biology.
Biology is the
study of living
things.

Living Things and Their Habitats

Key Vocabulary

- life cycle
- reproduction
- pollination
- sexual reproduction
- asexual reproduction
- fertilisation
- gestation
- metamorphosis
- cutting
- bulb
- plantlet



Scientist

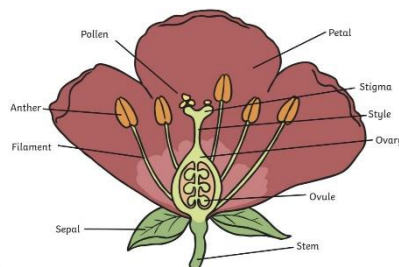
David Attenborough

Prior Knowledge

I know that animals, including humans, have offspring which grow into adults.

I know the part that flowers play in the life cycle of flowering plants including pollination, seed formation and seed dispersal.

Parts of a Flower



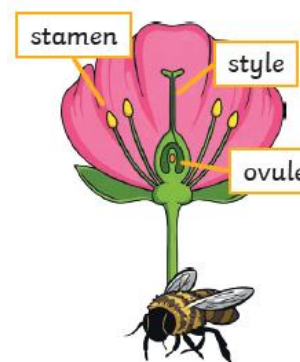
Key Knowledge

Some living things, such as plants, contain both the male and female sex cells. In others, such as humans, they contain either the male or female sex cell.



Mammals use sexual reproduction to produce their offspring.

- The male sex cell, called the sperm, fertilizes the female sex cells.
- The fertilized cell divides into different cells and will form a baby with a beating heart,
- The baby will grow inside the female until the end of the gestation period when the baby is born.



Most plants contain both the male sex cell (pollen) and the female sex cell (ovules), but most plants can't fertilise themselves. Wind and insects help to transfer pollen to a different plant. The pollen from the stamen of one plant is transferred to the stigma of another. The pollen then travels down a tube through the style and fuses with an ovule.