

# Ecosystems

## 2. Plant reproduction

### CONCEPT 2

### FERTILISATION

#### NOTES

**Fertilisation** is the process by which the nucleus of the male sex cell of a plant, **pollen**, joins with the nucleus of the female sex cells of a plant, the **ovule**. This process relies on **pollination**, as the **pollen** grains need to be transferred from flower to flower.

First the **pollen** grain lands on to the sticky stigma of the same species. A structure known as a **pollen** tube grows down the style, which connects the sigma to the ovary, until it reaches an ovule in the ovary. The nucleus of the pollen grain then moves down the pollen tube to be joined with the nucleus of the ovary. This is fertilisation.

After **fertilisation** the fertilised **ovule** then becomes a **seed** and the ovary will develop into a **fruit**.

