

# Knowledge Organiser - Science - Year 3 - Summer 1 - 2025

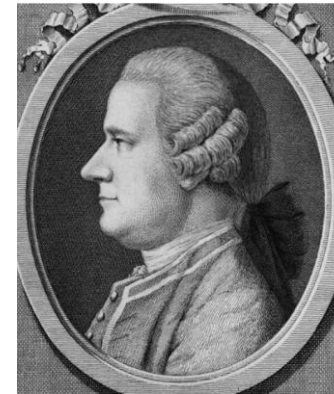
## Pollinating Plants

### STICKY KNOWLEDGE

Photosynthesis is where plants use the sun to create their own food and energy	The function of a stem is the transport water from the roots to the plant	A flower has an organ that allows it to reproduce and make new plants.
A pollinator moves pollen from one plant to another. One example of this is a bumblebee.	Different plants produce flowers and fruit at different times of the year	Time is important when planting as you need to think about preparation, germination and season organisation

### KEY VOCABULARY

<b>Chlorophyll</b>	Captures the sun's rays and creates sugary carbohydrates or energy, which allows the plant to grow
<b>Photosynthesis</b>	The process in which green plants use sunlight to make their own food
<b>Anther</b>	The part of a stamen that produces and contains pollen and is usually borne on a stalk
<b>Filament</b>	The stalk of a plant stamen that bears the anther
<b>Pollen</b>	A fine powder produced by certain plants
<b>Nectar</b>	A liquid produced by the flower of plants



#### Scientist:

Jan Ingenhousz (December 8, 1730 - September 7, 1799) was an 18th century Dutch physician, biologist, and chemist who discovered how plants convert light into energy, the process known as photosynthesis.

