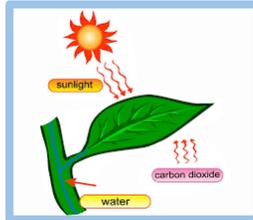# Plants (Y3)

Big Ws: Germination

SCAN ME

Big Ws

➢ Plants need **sunlight**, **nutrients** from the **soil**, **water** and **carbon dioxide** to grow.

➢ **Leaves** use **water and sunlight** to make **energy** for growth. This is called **photosynthesis**.
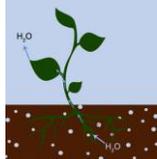
Big Ws: Seed dispersal

animal	wind	water

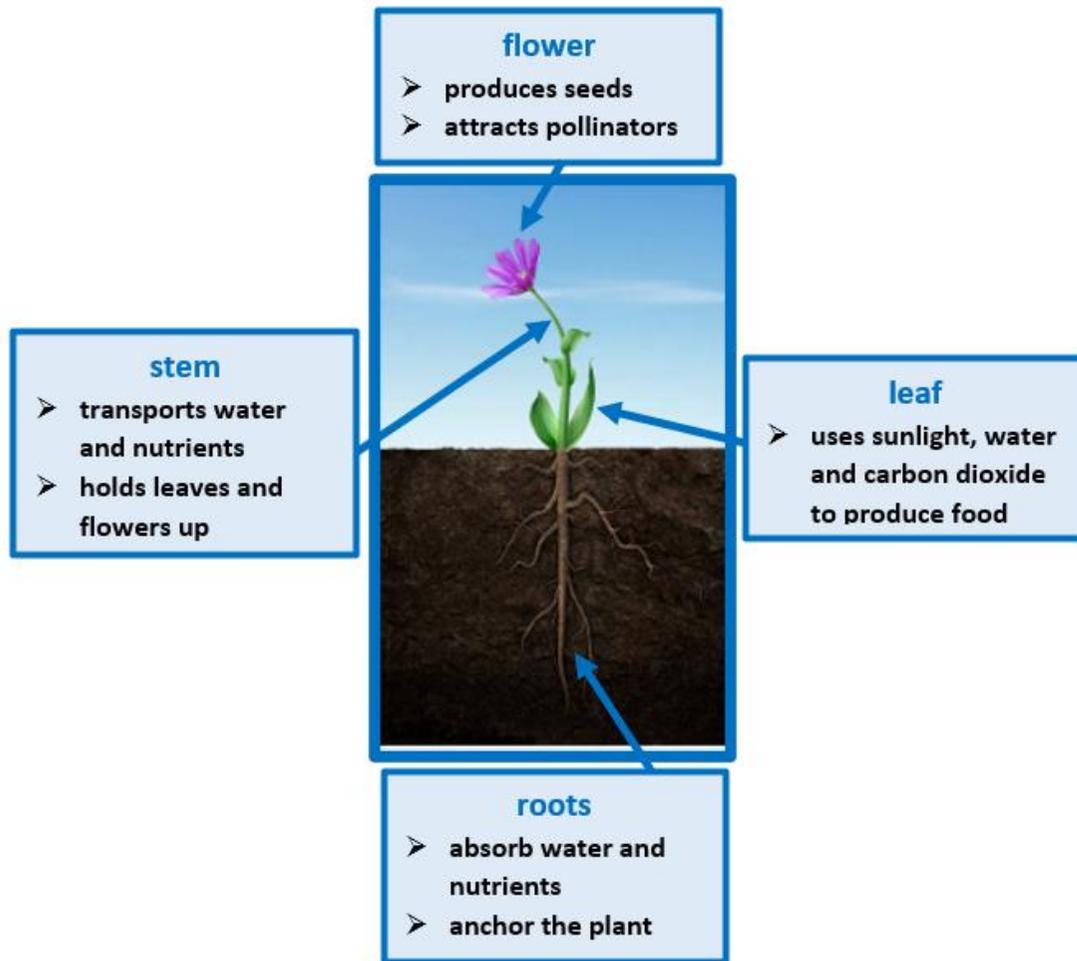## Important People
Julius Von Sachs (1832– 1897)

Found that **root hairs removed water** from the soil.

Vocabulary

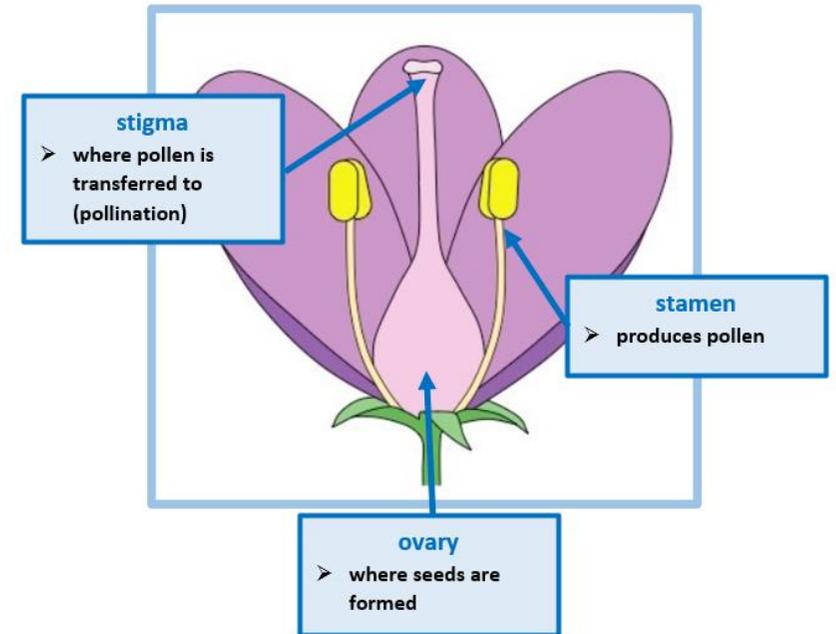| germination	nutrients	pollination	seed dispersal	transpiration	wilt	xylem
When a **seed starts to grow**.	Needed by living things to **grow and survive**.	Transfer of **pollen to a stigma**.	Moving the **seeds away from the parent plant** so they can **germinate and grow**.	Process of **water moving through a plant**.	When a plant begins to **droop or go floppy**.	**Tubes** that transport **water and nutrients**.

Big Ws: Parts of a plant

flower
- produces seeds
- attracts pollinators

stem
- transports water and nutrients
- holds leaves and flowers up

leaf
- uses sunlight, water and carbon dioxide to produce food

roots
- absorb water and nutrients
- anchor the plant

Big Ws: Flowers good for pollinators

Big Ws: Parts of a flower

stigma
- where pollen is transferred to (pollination)

stamen
- produces pollen

ovary
- where seeds are formed

Big Ws: Transpiration
- When plants are given **coloured water**, it **changes the colour of the flower.**
- This is because the **water is transported** through the **roots** and **stem**.