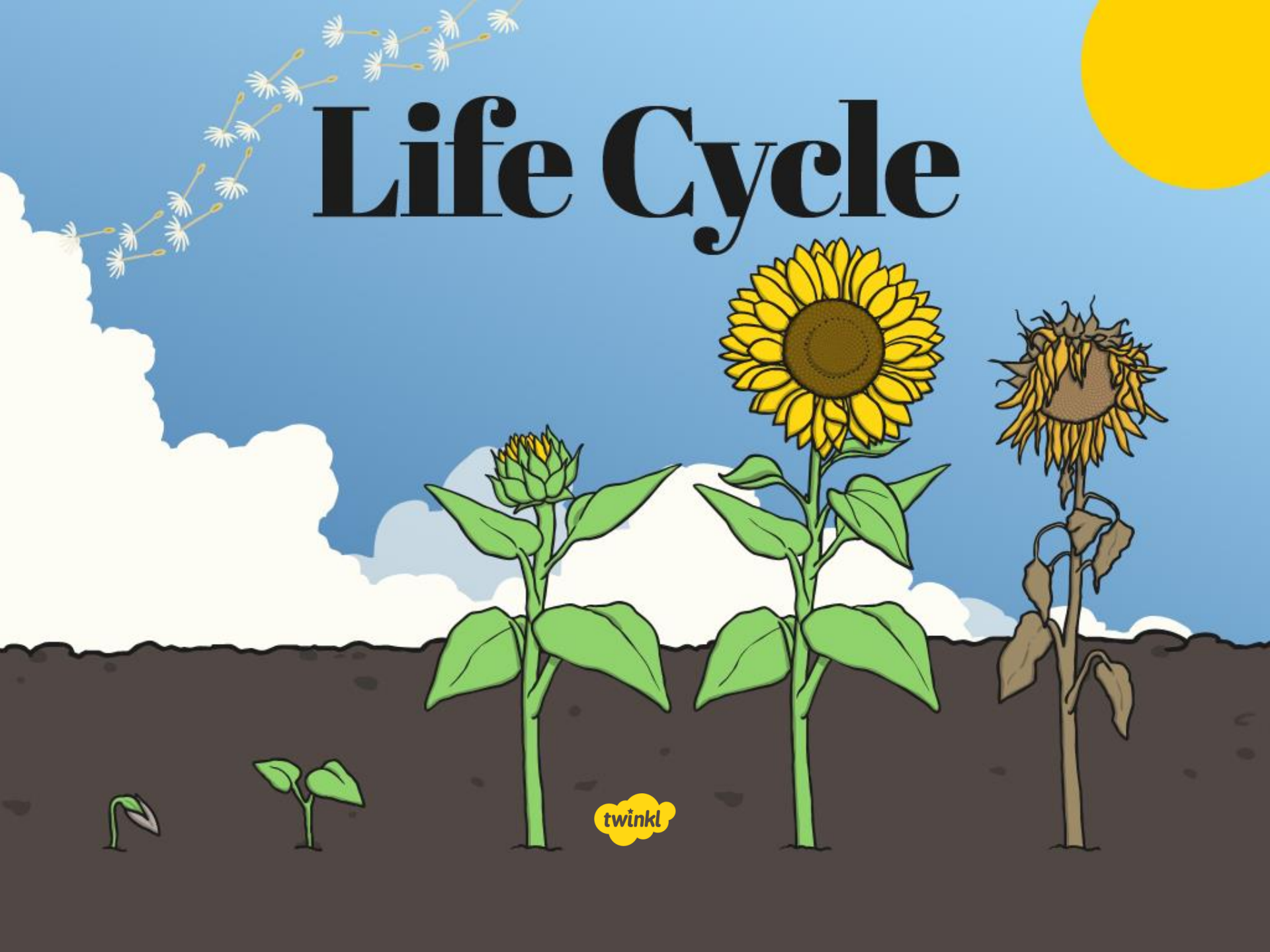
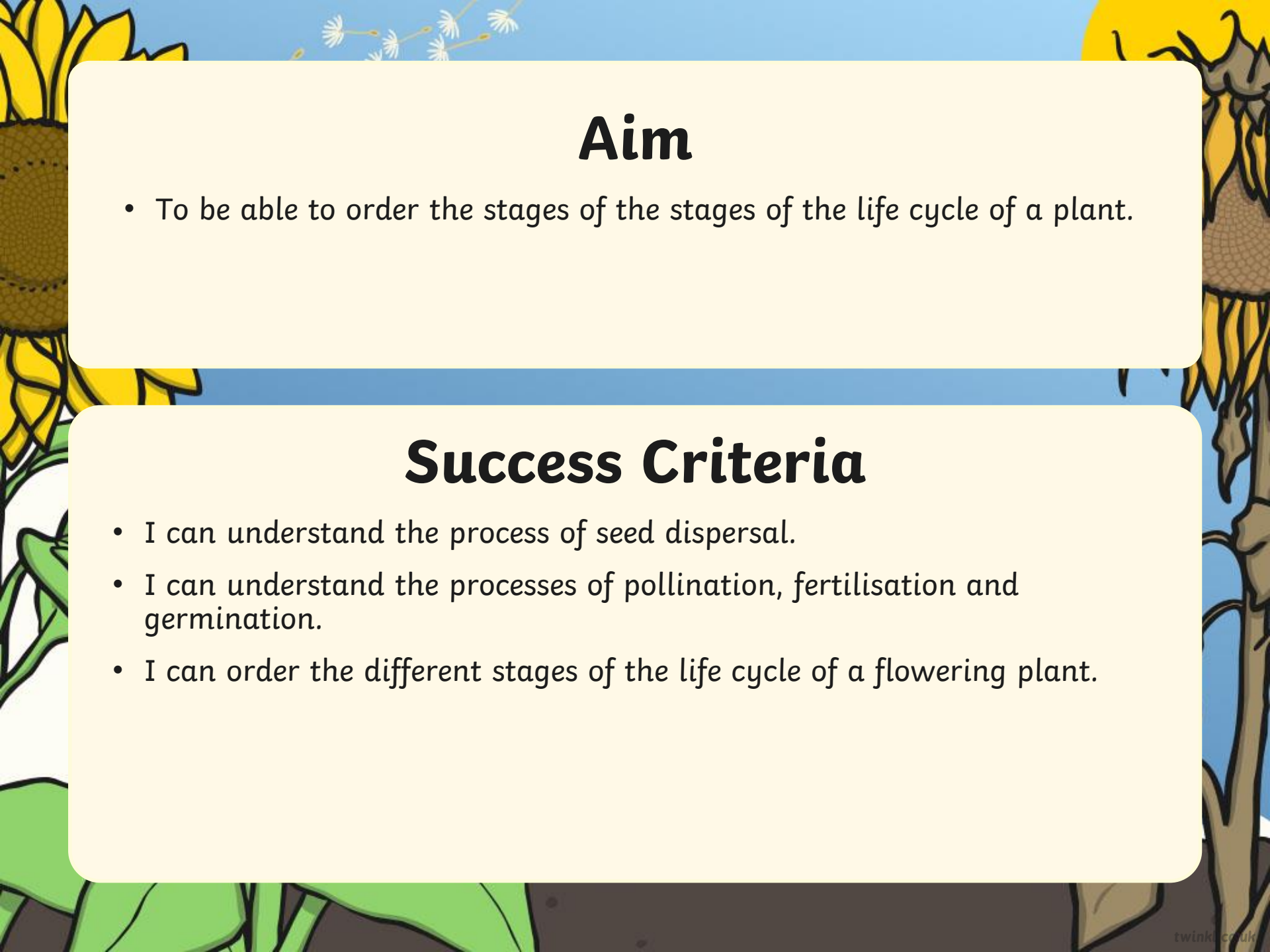


Life Cycle





Aim

- To be able to order the stages of the stages of the life cycle of a plant.

Success Criteria

- I can understand the process of seed dispersal.
- I can understand the processes of pollination, fertilisation and germination.
- I can order the different stages of the life cycle of a flowering plant.

What Do You Already Know About Life Cycles?



Make a note of everything that you already know about life cycles.



Life Cycle of a Flowering Plant

The life cycle of a flowering plant shows the changes that happen to the plant over the course of its lifetime.

The main stages of the life cycle of a flowering plant are:

1

Germination

2

Growing and
flowering

3

Pollination

4

Fertilisation
and seed
formation

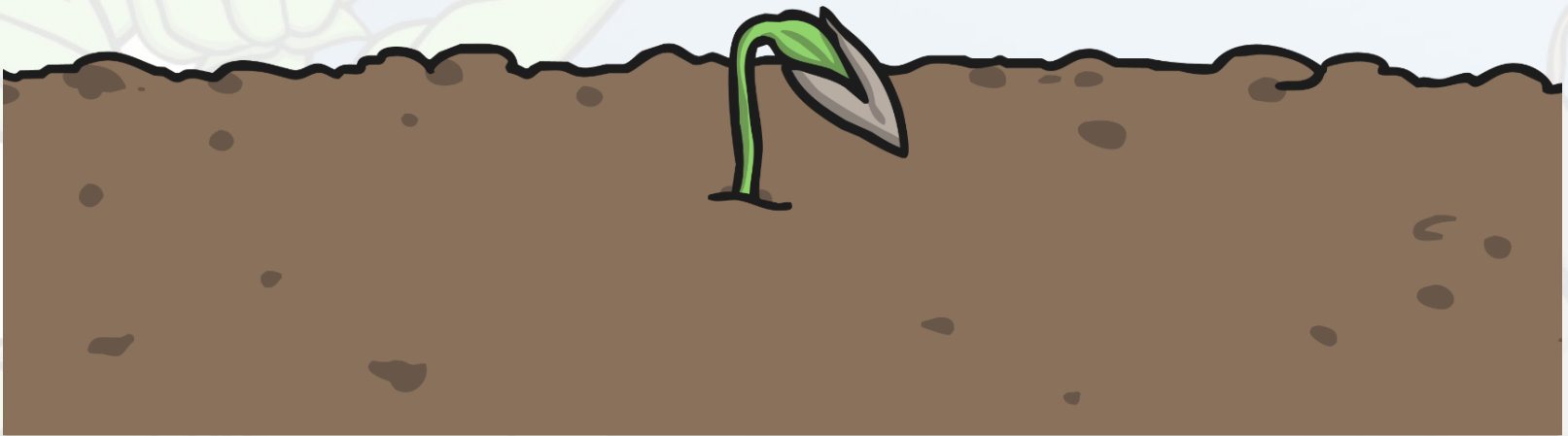
5

Seed
dispersal

Let's find out more about what happens at each stage!

Germination

Germination is when a seed begins to grow.



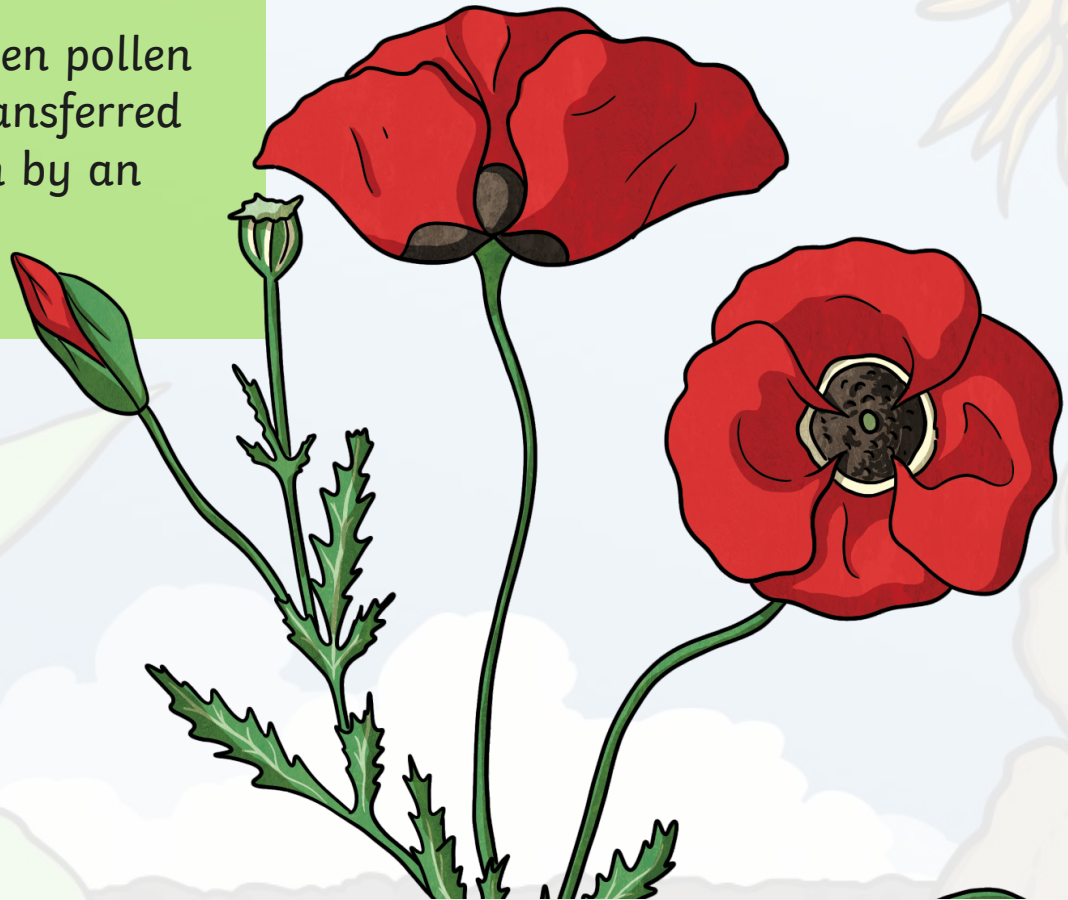
Growing and Flowering

Once the seed has germinated the plant grows bigger and then forms flowers.

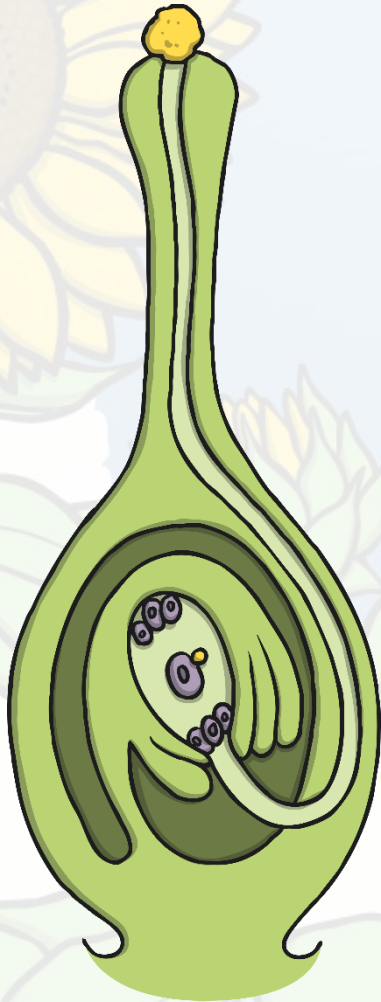


Pollination

Pollination occurs when pollen from the anther is transferred to the stigma, often by an insect.



Fertilisation and Seed Formation



Fertilisation happens when the pollen travels from the stigma down the style to the ovary.

The pollen joins with an ovule to form a seed.
The seed forms inside the ovary.



Seed Dispersal



Once the seeds are fully formed, the plant needs to disperse them.

This means that the plant needs to move or transport the seeds away from the parent plant in some way so that they don't all try to grow in the same place.

There are lots of different ways that seeds can be dispersed.

Seed Dispersal

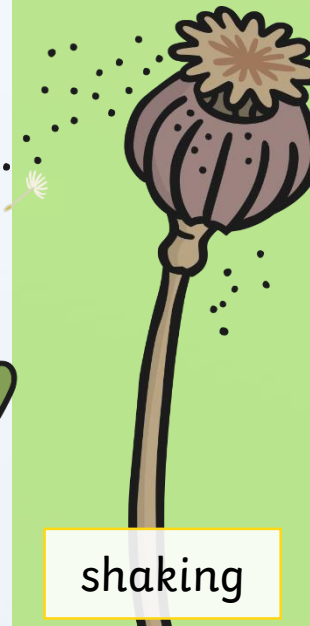
Seeds can be dispersed by:



water



the wind



shaking



eating



dropping



bursting



carrying

Order the Stages



What are the different stages of the life cycle?

What happens at each stage?

Can you put the different stages in the correct order?

Complete your Life Cycle of a Flowering Plant Activity Sheet to describe and order the stages.

Life Cycle of a Flowering Plant

Can you cut and stick the descriptions and pictures to the correct stage of the life cycle?
Add the missing words to each description using the key words.

```
graph TD
    SD[Seed Dispersal] --> G[Germination]
    G --> GF[Growing and Flowering]
    GF --> P[Pollination]
    P --> FS[Fertilisation and Seed Formation]
    FS --> SD
```

The plant grows bigger and forms a flower.

The fully formed _____ are moved away from the parent plant.

The seed _____ to grow.

The pollen joins with an _____ and a seed starts to form.

Pollen from the _____ lands on the stigma and travels down the style.

Key Words
seeds
ovule
starts
anther
bigger

twinkl planit Science | Year 3 | Plants | Life Cycle | Lesson 6

Check
your
work!

How Did You Do?



Germination



The seed starts to grow.

Seed Dispersal



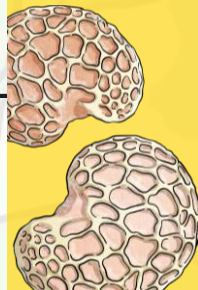
The fully formed seeds are moved away from the parent plant.

Growing and Flowering



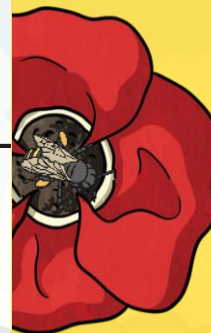
The plant grows bigger and forms a flower.

Fertilisation and Seed Formation



The pollen joins with an ovule and a seed starts to form.

Pollination



Pollen from the anther lands on the stigma and travels down the style.