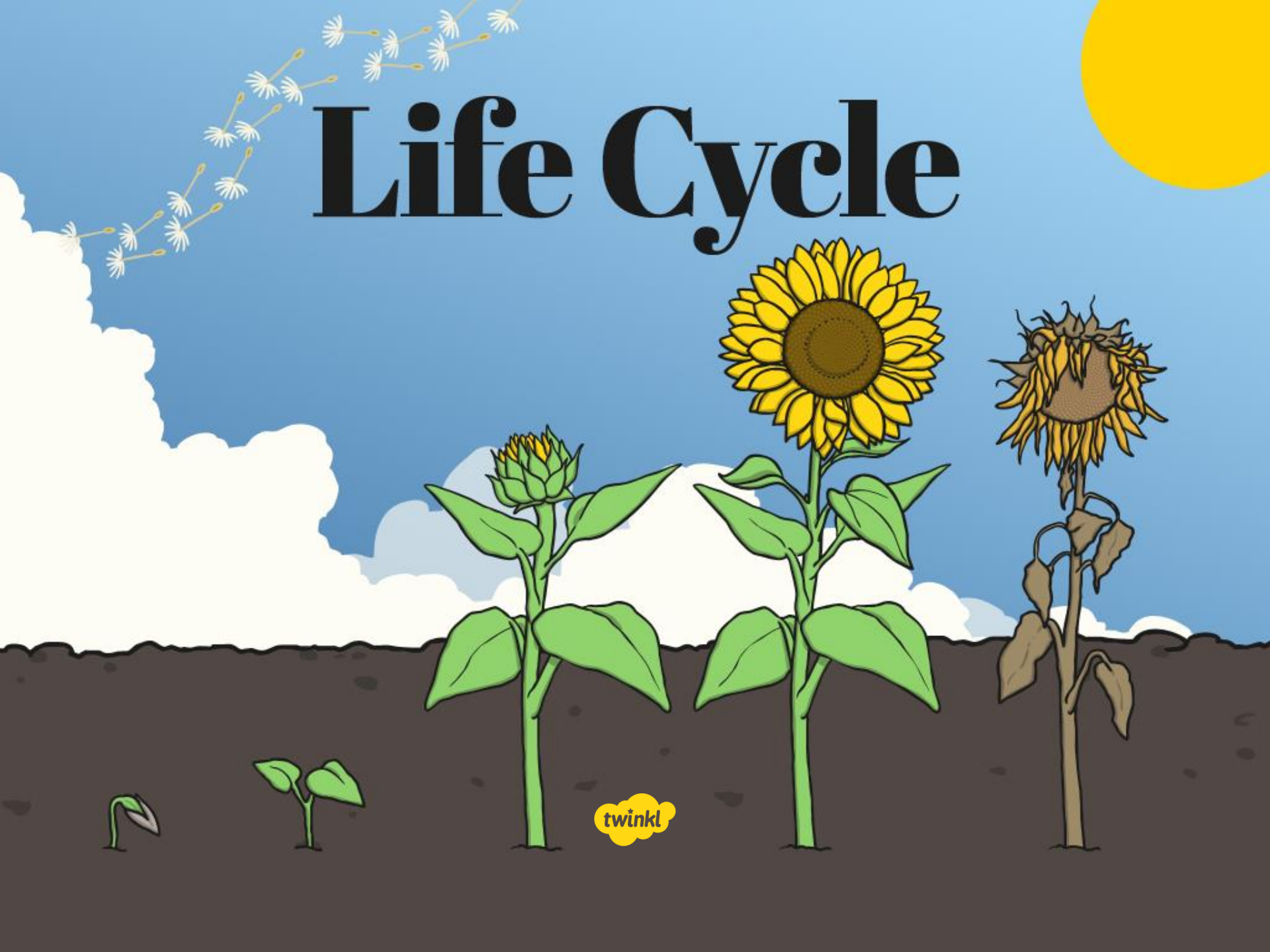




# Science

## Plants

# Life Cycle





# Aim

- I can understand and order the stages of the life cycle of a flowering 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.

# 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

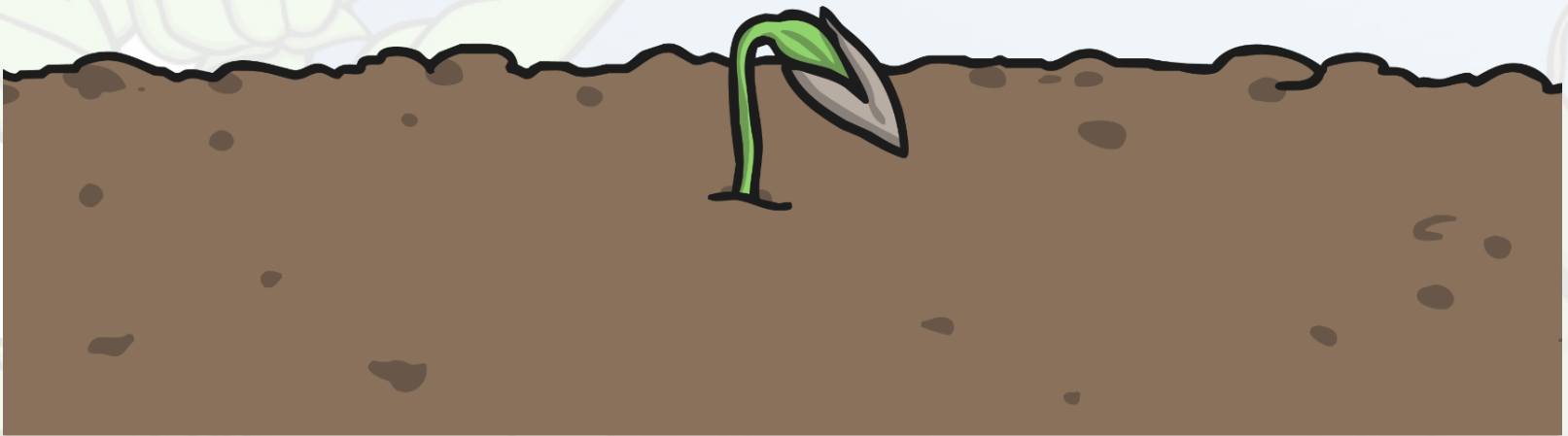
**5**

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.

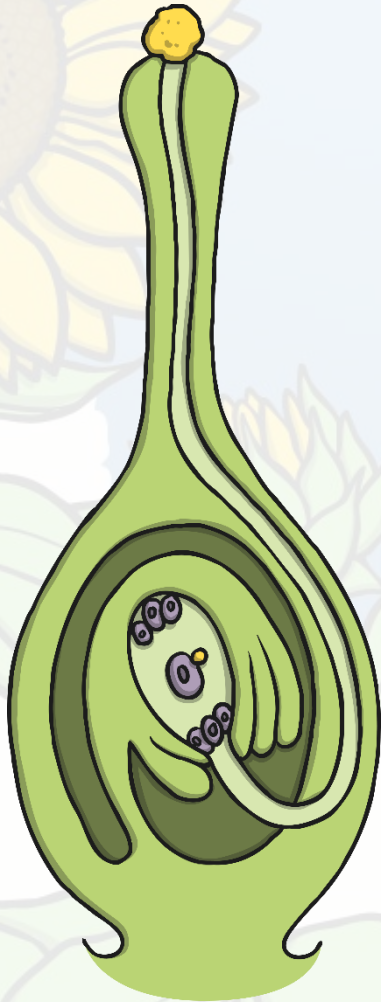


# Pollination

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



# Fertilisation and Seed Formation



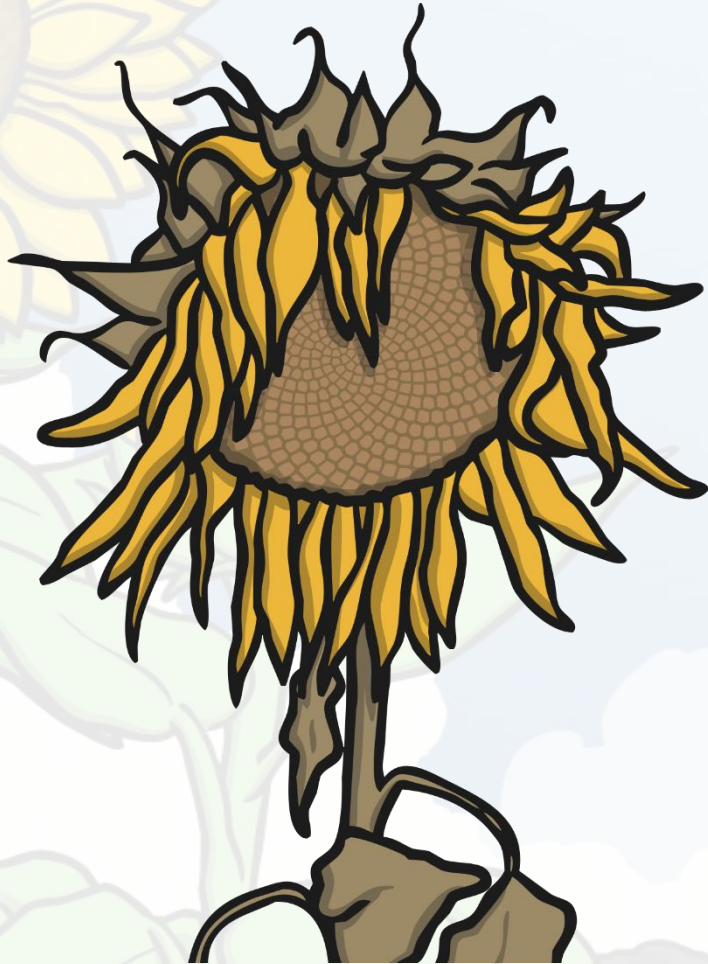
Fertilisation happens when the pollen travels from the stigma down the style to the ovary.

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





# Seed Dispersal



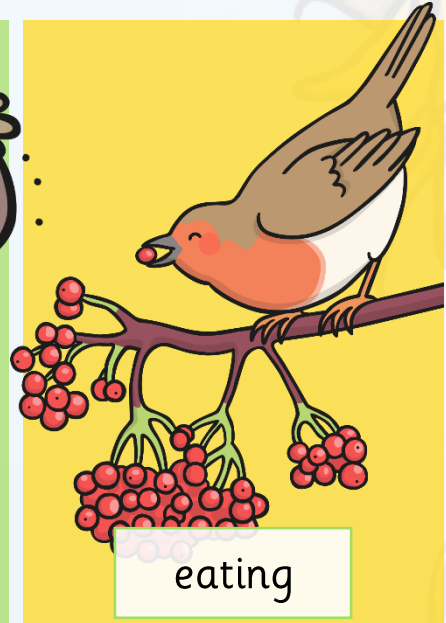
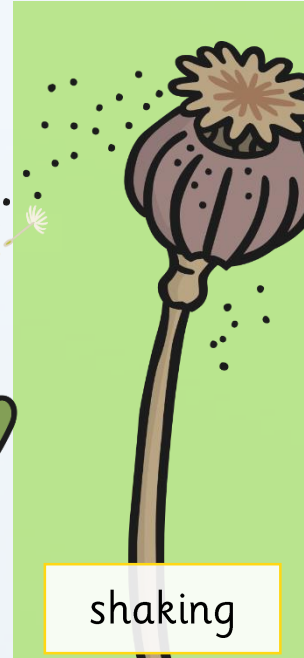
Once the seeds are fully formed, the plant needs to disperse them.

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.

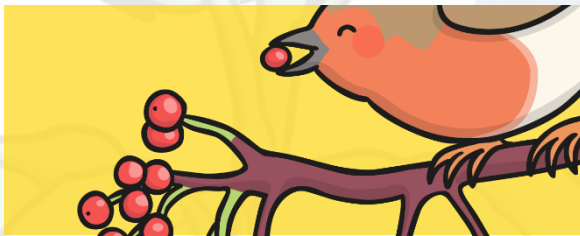
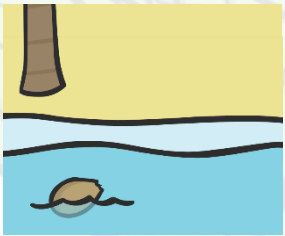
There are lots of different ways that seeds can be dispersed.

# Seed Dispersal

Seeds can be dispersed by:



# Act It Out



Work in a group to choose a method of dispersal.

Work together to act out that method.

Some members of your group should act as the seeds, while others act as the plant. You may need someone to act as an animal or other character depending on the method you have chosen to act out.

Watch all the groups acting out seed dispersal.

Can you tell which method of dispersal they were demonstrating?

# 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.

Seed Dispersal

Germination

Growing and Flowering

Fertilisation and Seed Formation

Pollination

1 The plant grows big and forms a flower.

2 The fully formed \_\_\_\_\_ are moved away from the parent plant.

3 The seed \_\_\_\_\_ to grow.

4 The pollen joins with an \_\_\_\_\_ and a seed starts to form.

5 Pollen from the \_\_\_\_\_ lands on the stigma and travels down the style.

Key Words	
_____	seeds
_____	ovule
_____	starts
_____	anther
_____	bigger

twinkl planit Science | Year 5 | Plants | Life Cycle | Lesson 6

# How Did You Do?



Check  
your  
work!

