

Year 4 Science

Plants- Seed Dispersal

Recap- Life Cycle of a Flowering Plant

1

Germination

2

Growing and
flowering

3

Pollination

4

Fertilisation
and seed
formation

5

Seed
dispersal

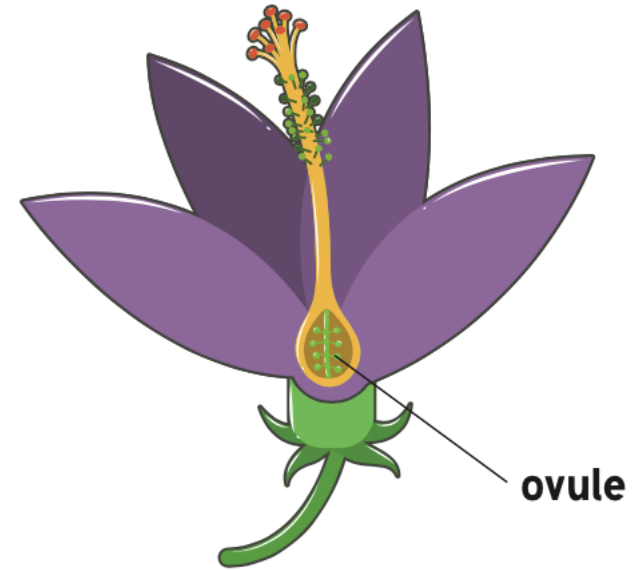
Today we will focus
on seed dispersal.

Pollination and Seed Formation

Pollination is when pollen from the anther is transferred to the stigma.

Once the pollen is transferred to the stigma, it travels down the style to the ovary.

The pollen joins with an ovule in the ovary and forms a seed.



Seed Dispersal

When the seeds have grown, the plant needs to disperse them so that they can grow into new plants. The seeds need to be dispersed away from the parent plant so that the new plant has all the different things that it needs to grow.

The seeds can be dispersed in several different ways.

NEW WORD ALERT!

Disperse - to spread over a wide area

Synonyms for disperse -
spread, scatter, distribute

There are 4 main ways that seeds are dispersed.



Explosion

Some plants explode, causing the seeds to scatter over a larger area. The poppy is an example of a plant that does this.



Water

Some plants that grow near water have seeds that will float. The seeds then float until it is washed up on land again. The coconut is an example.



Animals

Some animals eat the fruit of a plant that contains the seeds. When the animals ex-crete the waste (poo!), they also get rid of the seeds, leaving them in a new place to grow.



Wind

Some plants use the wind to disperse their seeds. These seeds are usually light and easy to blow away.

Watch this video to help you get a clearer understanding of what seed dispersal is...

<https://www.bbc.co.uk/bitesize/clips/znvfb9q>

Activity 1

Create a poster to explain what seed dispersal is.

It needs to include:

- What seed dispersal is
- Explanations of how seeds can be dispersed - explosions, water, animals and wind

We would love to see your posters on dojo once completed. 😊

Activity - Challenge

Activity 2 is on the worksheet labelled Activity 1.

It involves refreshing your memory and recapping everything we have learnt whilst learning about plants.

Can you order the statements of the the flower life cycle?