

Fantastic Flowers



What is a Flower?



Have you ever wondered why plants have flowers?

You have probably all seen flowers before.

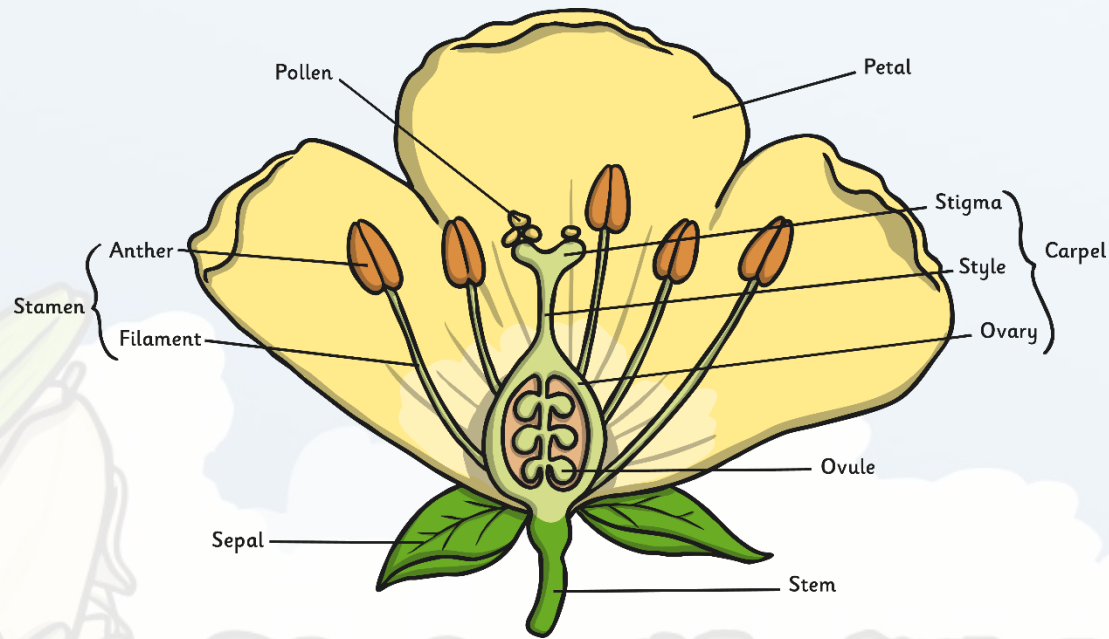
But do you know what the different parts of a flower are for?



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What is a Flower?

The flower's job is to create seeds so that new plants can be grown. Flowers are made up of lots of parts that work together to make seeds.



Dissect a Flower



Can you spot all the different parts of a flower?

Use the flower you have been given and separate it into its different parts.

Lay them out on your
Flower Dissection Mat in
the correct places.

Remember to be careful
when handling flowers and
to wash your hands.

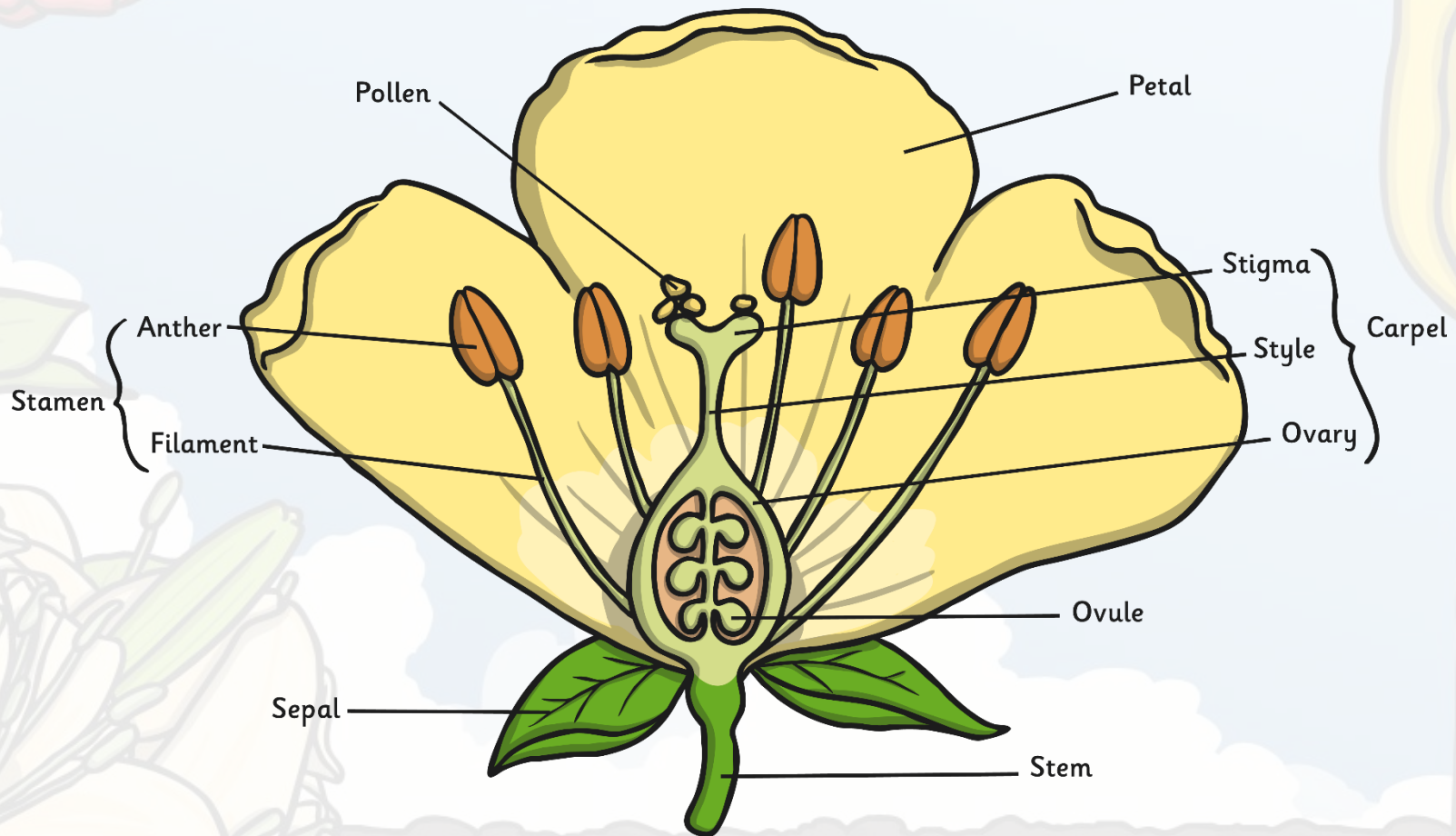
Use the following diagram
to help you.

Flower Dissection Mat

Separate your flower into its different parts, then place each part under the correct heading.

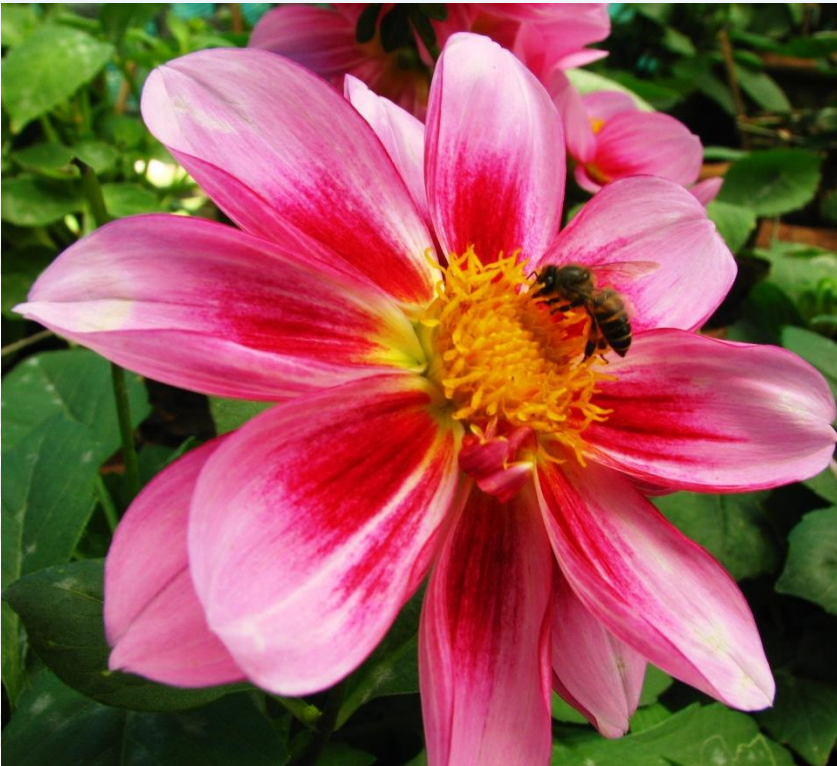
Petal	Stamen	Anther
	Stigma	Style
	Ovary	Filament

Dissect a Flower



Pollination and Fertilisation

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



Insects like bees and butterflies are attracted to the bright colours of the petals and the sweet scent of the flower.

They visit the flower to drink a sweet liquid called nectar.

Pollination and Fertilisation

When an insect goes into the flower to drink the nectar, some grains of pollen brush off the anthers onto their body.

When the insect visits another flower for more nectar, the grains of pollen transfer from the insect's body to the sticky stigma of the new flower.
This is pollination.



Pollination and Fertilisation

The pollen on the stigma then travels down the style towards the ovary.



Style

Stigma

Pollination and Fertilisation

Once it reaches the ovary, the pollen joins with an ovule.

The ovule can then grow into a seed. This is known as fertilisation.



Poppy seeds grow inside the enlarged ovary.



Pea seeds grow inside the ovary, or the pea pod.

Pollination and Fertilisation

Science 4 - complete the Pollination Process Activity Sheet (resource 4).

The image shows a worksheet titled "The Pollination Process" with a yellow flower illustration on the left and a pink flower illustration on the right. The worksheet includes a word bank table and a list of sentences to be completed. The word bank table has four columns: petal, stigma, nectar, pollen, anthers, fertilised, ovule, colours, seeds, dispersed, scent, ovary. The sentences are numbered 1 to 8 and describe the process of pollination. The worksheet is designed for a Year 5 class, as indicated by the "twinkl planit" logo and the "Year 5" text in the bottom right corner.

