

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?

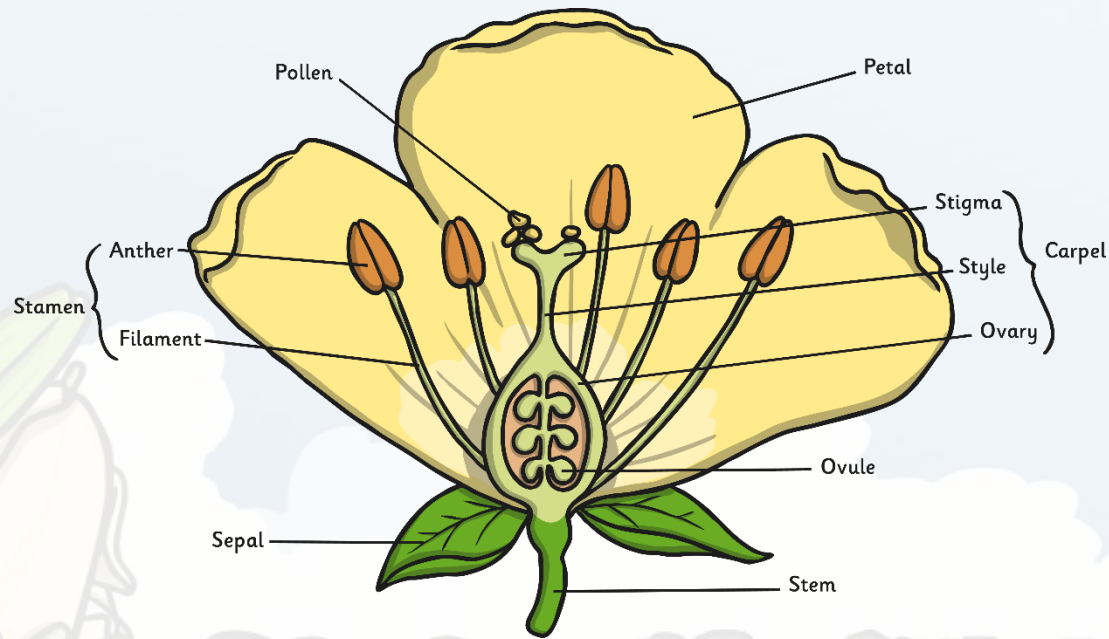
This lesson will help you find out!



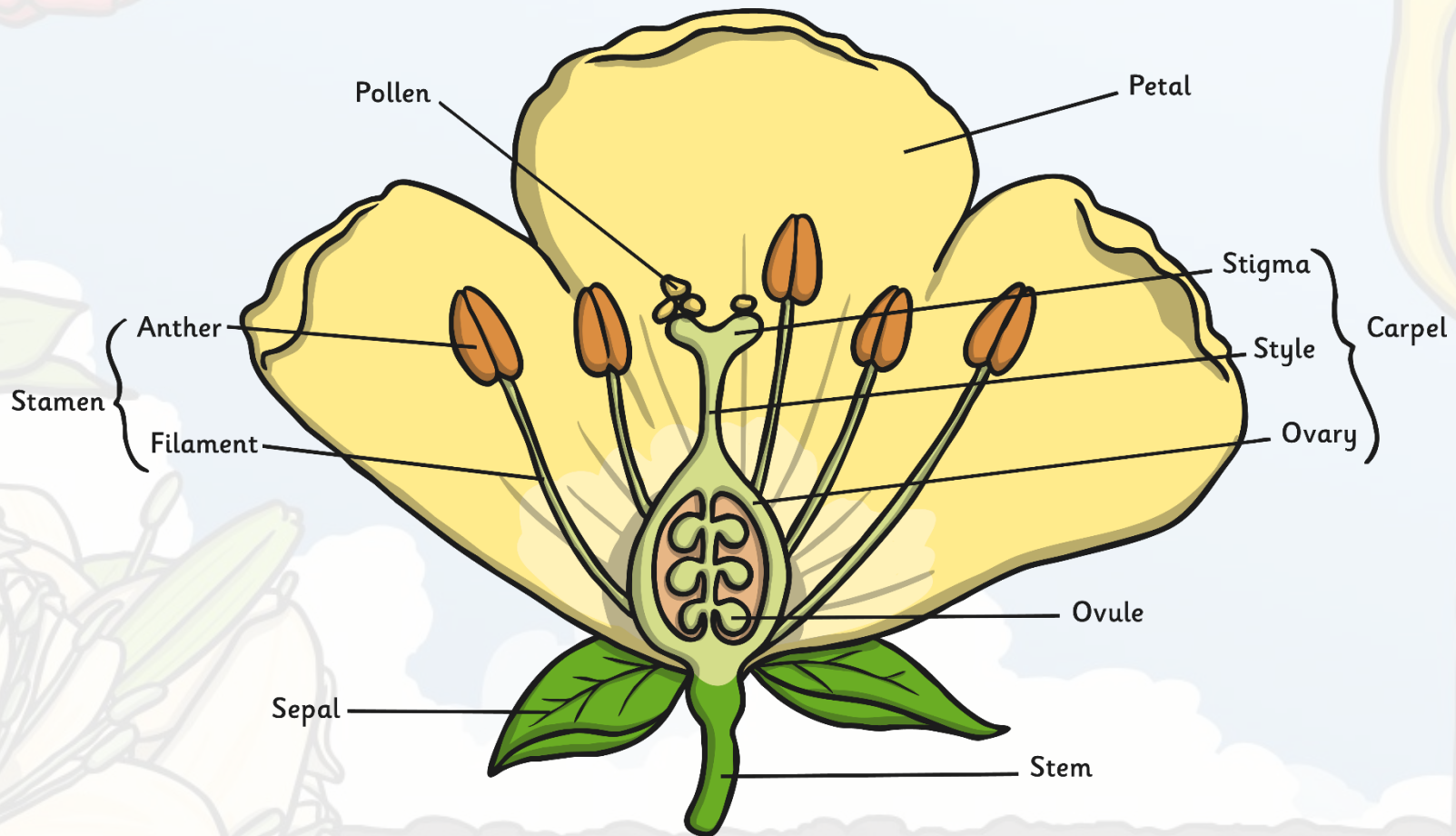
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What is a Flower?

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.

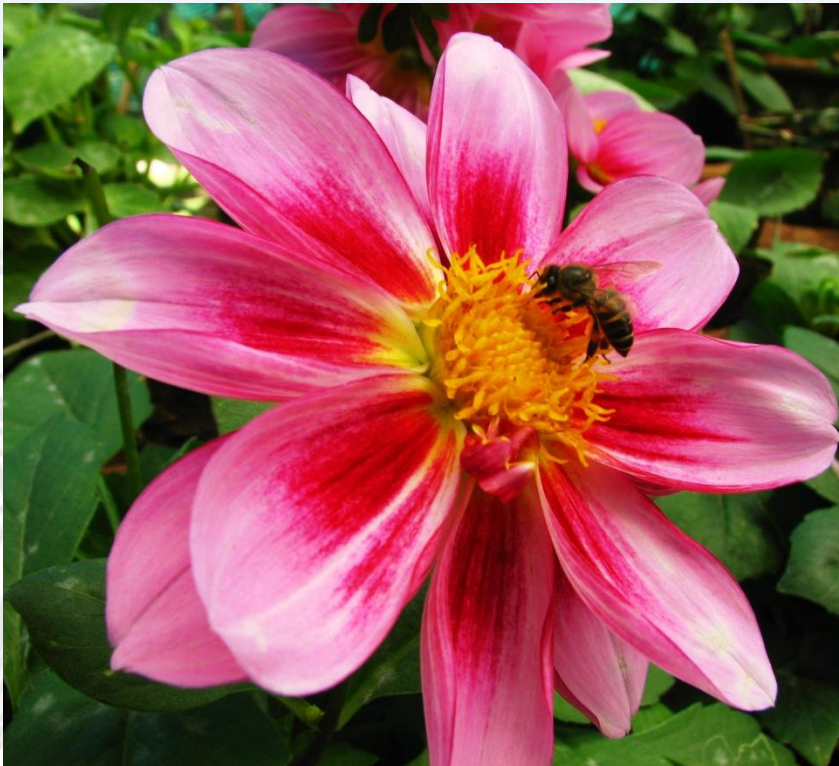


Dissect a Flower



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.