

The life-cycle of a plant

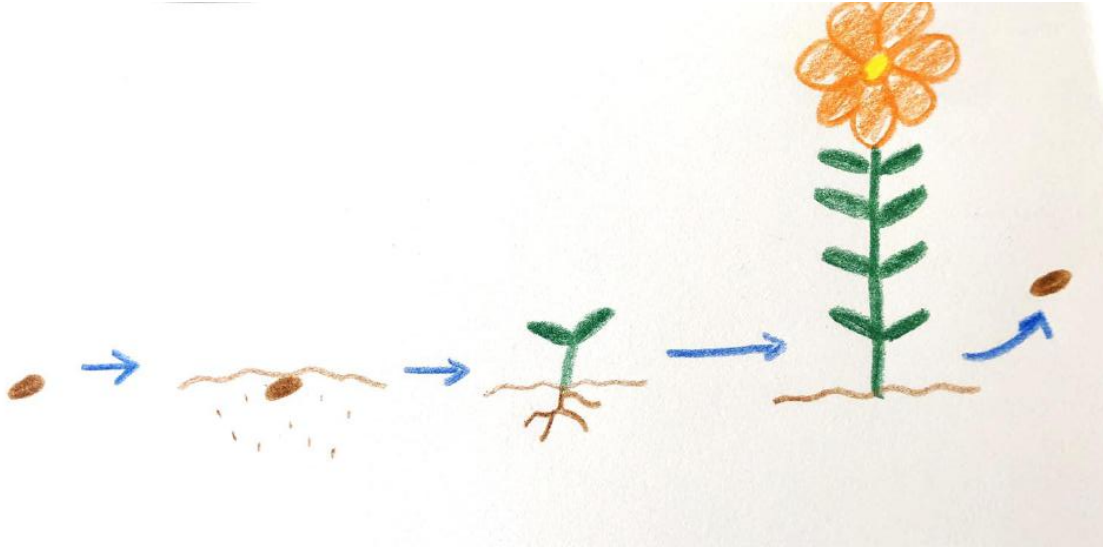
Science - Year 1, Week 5, Summer 2

Overview

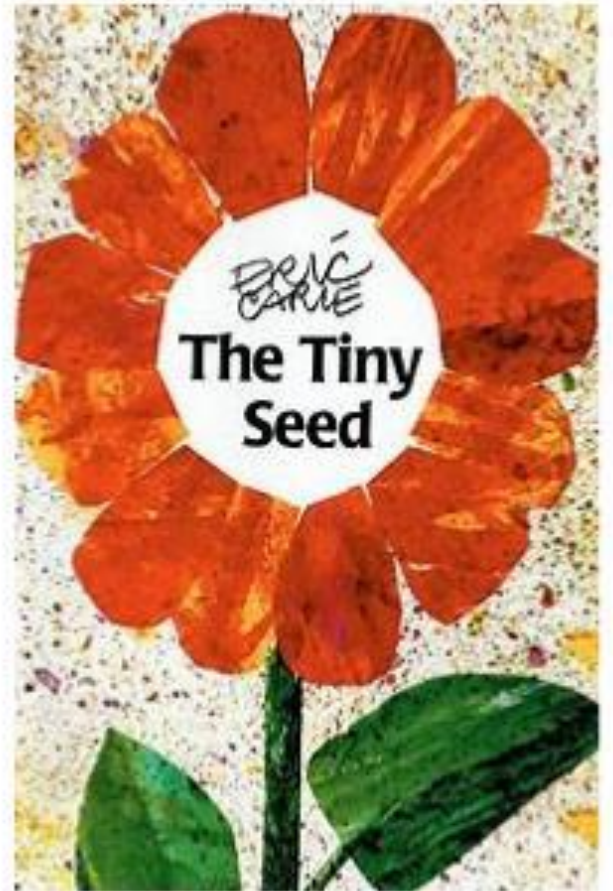
This lesson helps children understand the life-cycle of a plant.

It follows on from the Book Quiz - The Tiny Seed - so that lesson should be completed first.

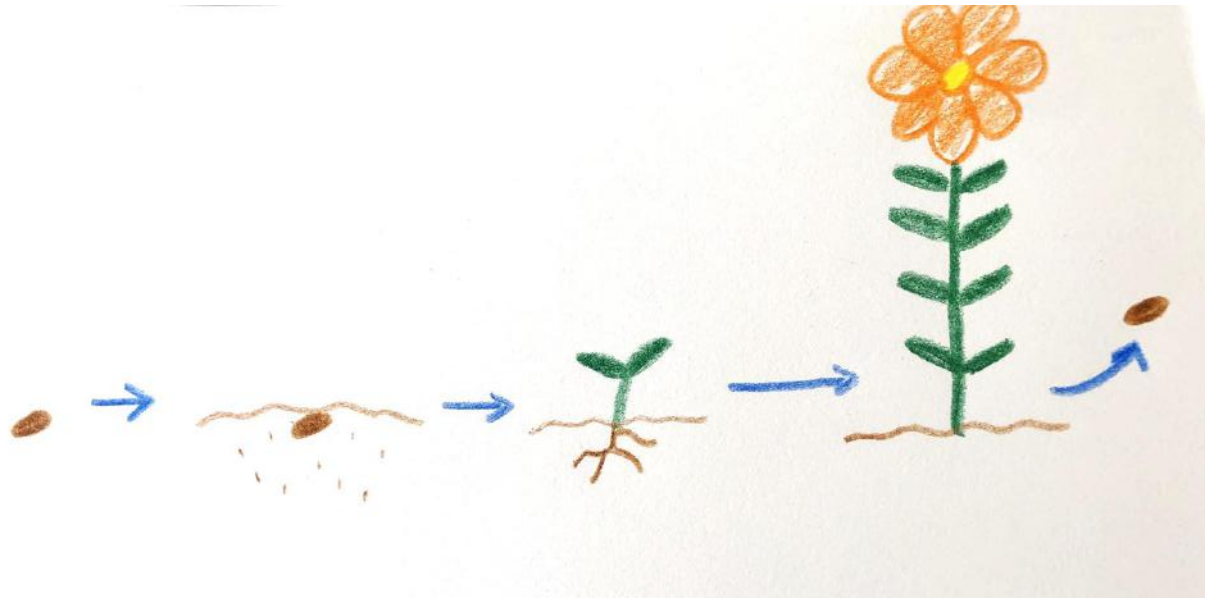
The Tiny Seed



We have read the story of the Tiny Seed, and followed its journey from a seed to a plant, a flower and then a new seed.



What could happen to the seed from the flower at the end of the story?



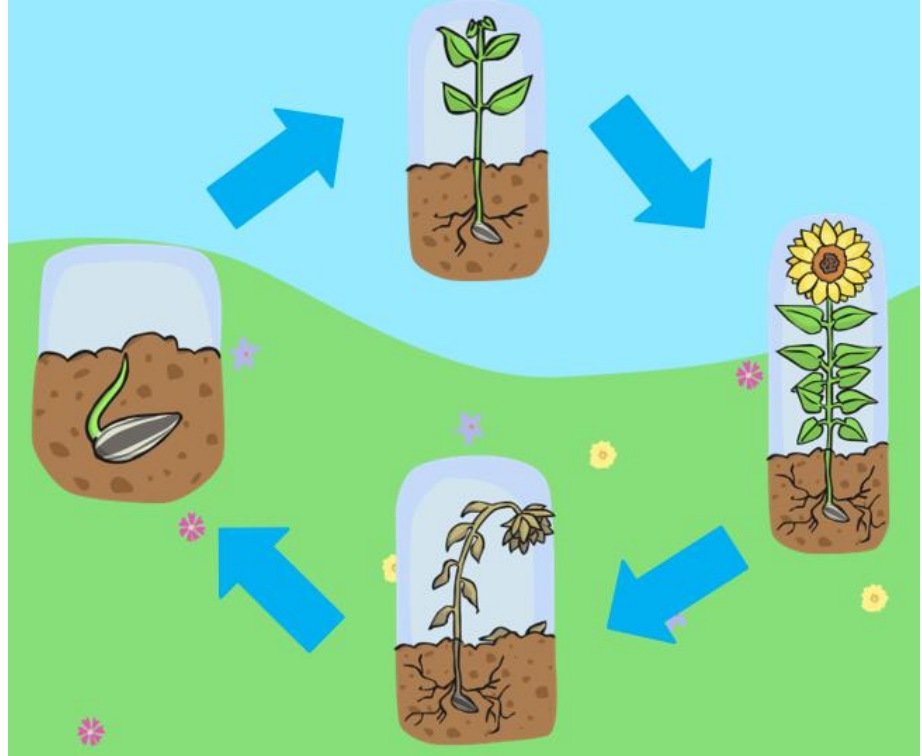
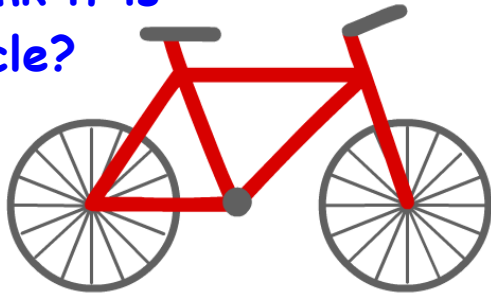
It could
grow into a
new flower!

How would you show
this on your drawing?

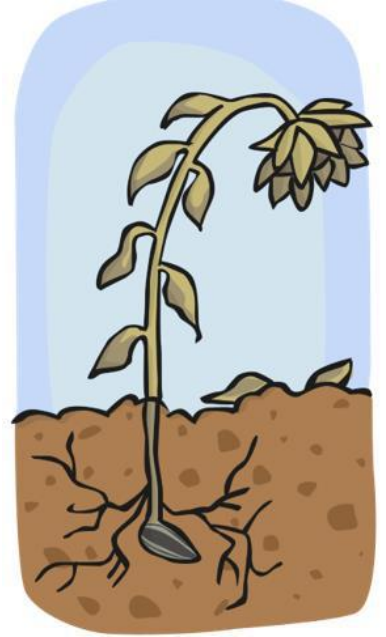
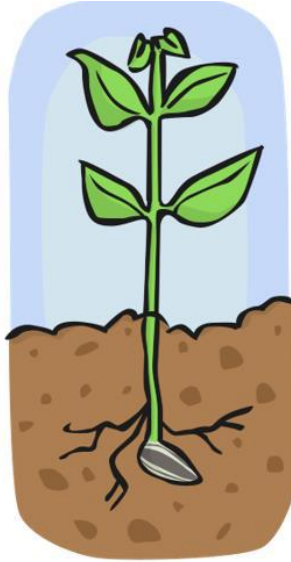
This is called a life-cycle.

The seed grows into a plant, the plant grows a flower, the flower produces a seed, the seed grows into a plant....

Why do you think it is called a life cycle?
Here is a clue!



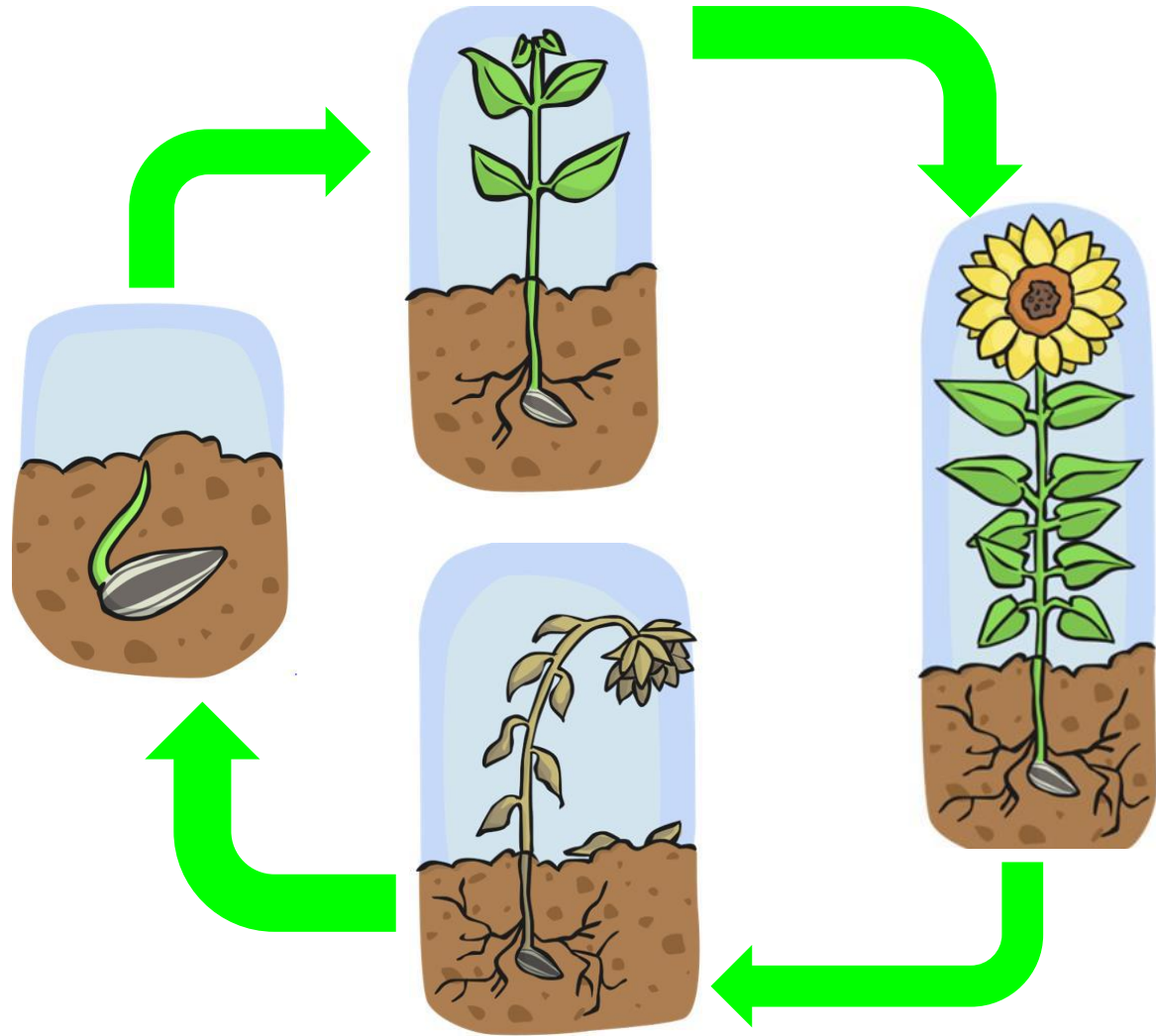
Let's put these stages of the life-cycle in order



Discussion point: which comes first!

It is a **cycle**

There is no
start and no
end!



At each stage in the life-cycle something different is happening.

Did you spot the new science vocabulary?

germinates

Germination occurs when the seed starts to grow.

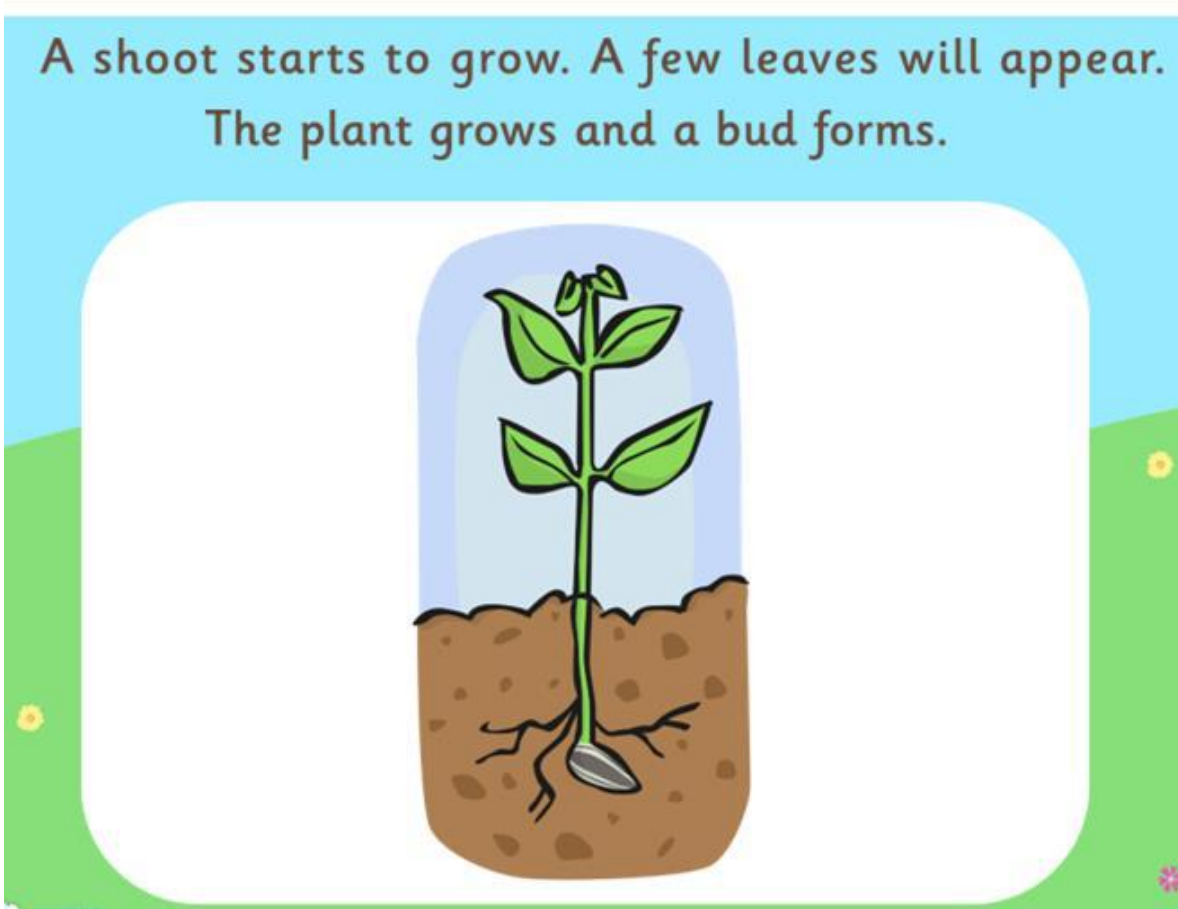
Can you see the green shoot?

The seed germinates about 1-2 weeks after planting.



The plant begins
to grow. It grows
roots into the soil.

What will the plant
need to grow?



The plant
keeps
growing.

It's a
sunflower!

The head of the Sunflower opens!
It will take around 90 days for a Sunflower to be fully grown.



At the centre of the flower are new seeds.

The flower will die but these seeds will grow into new plants and the **life-cycle** begins again.

The Sunflower will eventually die and the seeds from its head will fall on to the ground, to grow in to new flowers.



Now we've learned about the lifecycle of a flowering plant, let's watch a short video.

Click the link below to learn more about plant life-cycles.

<https://www.bbc.co.uk/bitesize/clips/z3wsbk7>



Now it's your turn

1. Draw a life-cycle for a flowering plant.
2. Use arrows to show it is a life-cycle.
3. Label the pictures using the correct vocabulary.

seed

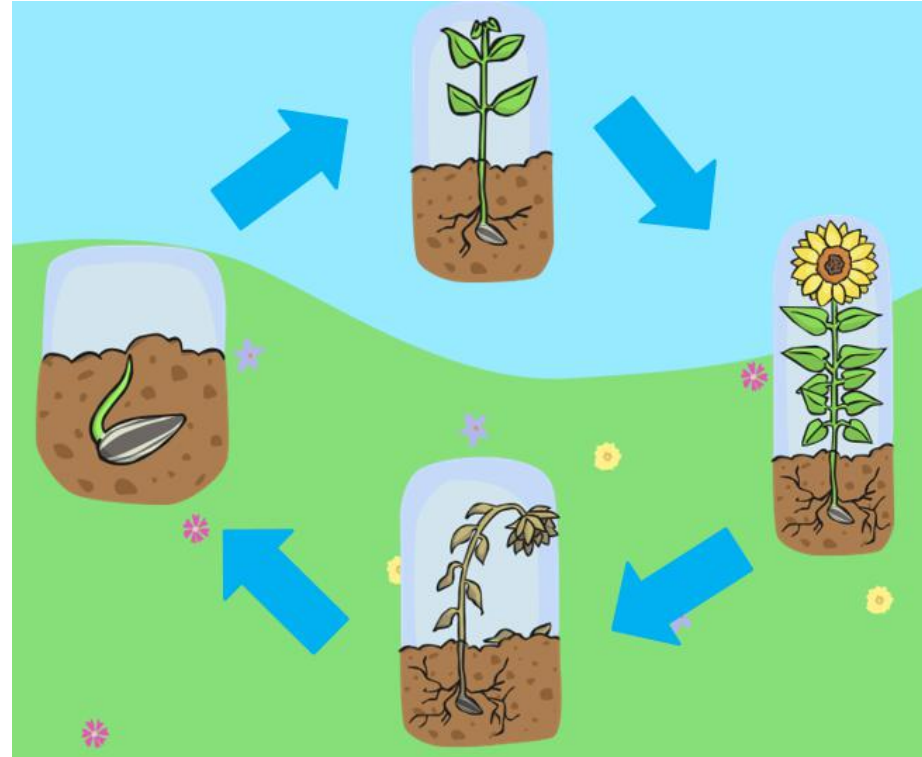
germination

root

shoot

flower

seed



Challenge: write a sentence to explain what is happening at each stage.