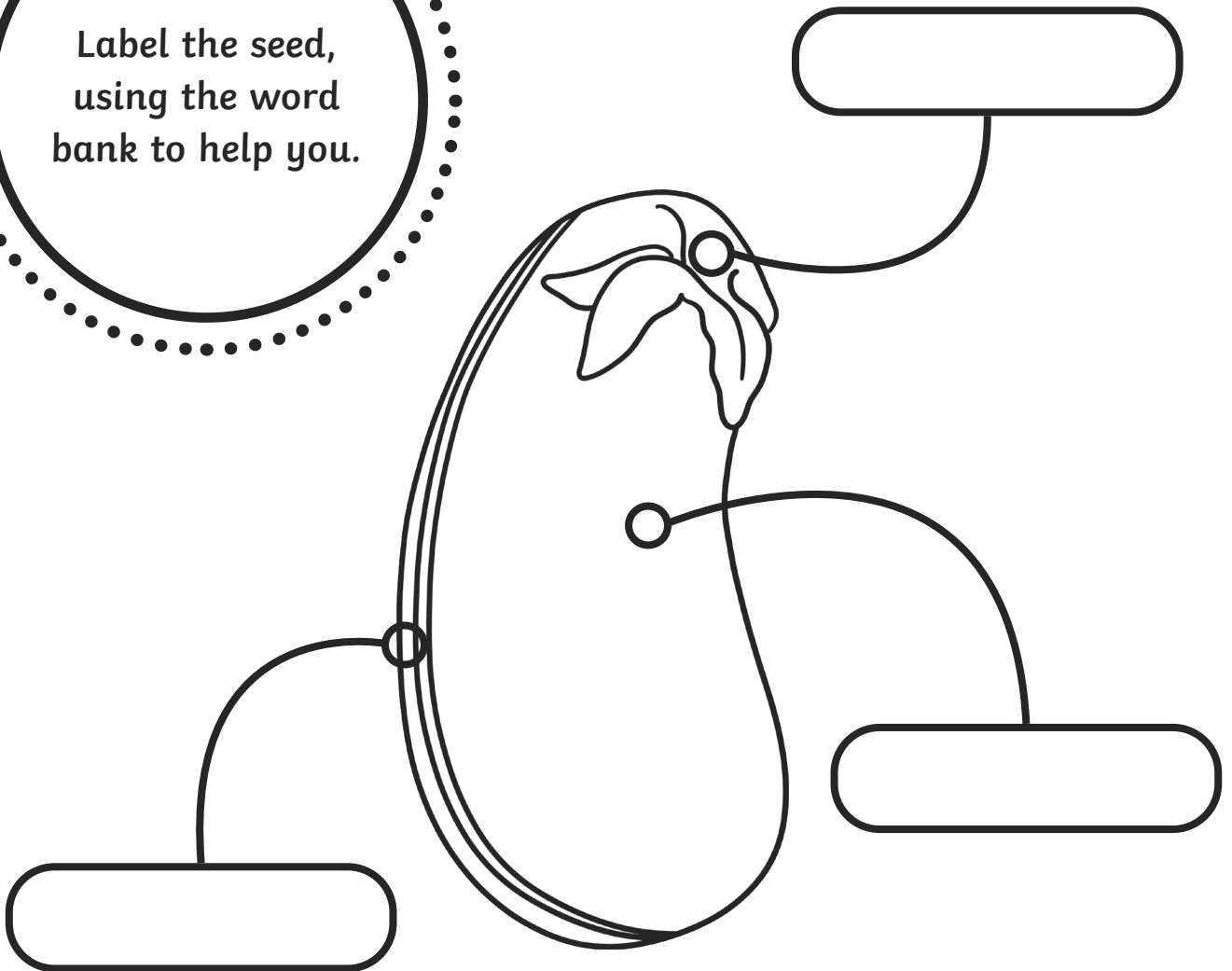


# Inside a Seed

To look closely at the parts of a seed that will grow into a plant and explain how it will germinate.

Label the seed,  
using the word  
bank to help you.



## Word Bank

seed coat

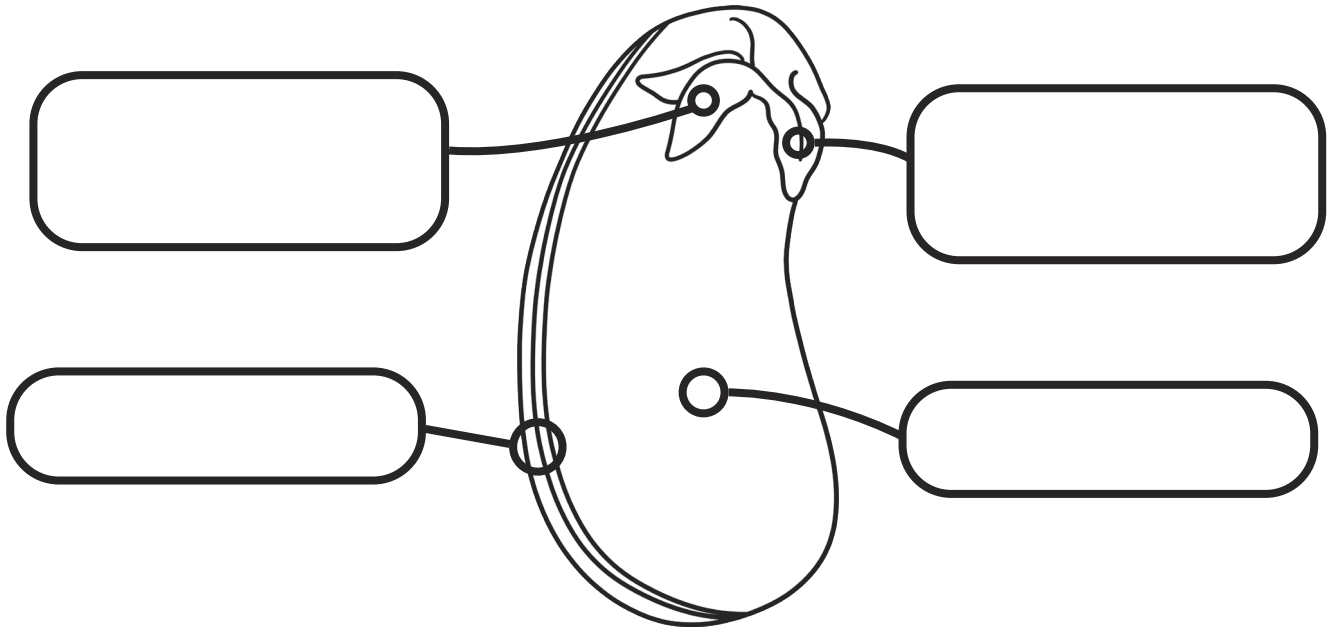
baby plant

food store

# Inside a Seed

To look closely at the parts of a seed that will grow into a plant and explain how it will germinate.

Label the seed, using the word bank to help you.



Can you explain what each part of the seed does?

The seed coat \_\_\_\_\_  
\_\_\_\_\_

The food store \_\_\_\_\_  
\_\_\_\_\_

The baby plant \_\_\_\_\_  
\_\_\_\_\_

## Word Bank

seed coat

will grow into  
stem and leaves

will grow  
into roots

food store

# Inside a Seed

To look closely at the parts of a seed that will grow into a plant and explain how it will germinate.



Draw a diagram of the inside of a seed and label it to show the different parts, using the word bank to help you.

## Word Bank

seed coat

will grow into  
stem and leaves

will grow  
into roots

food store

**Can you explain what each part of the seed does?**

---

---

---

---

---

---

---

# Inside a Seed Answers

Label the seed,  
using the word  
bank to help you.

baby plant

food store

seed coat

**Word Bank**

seed coat

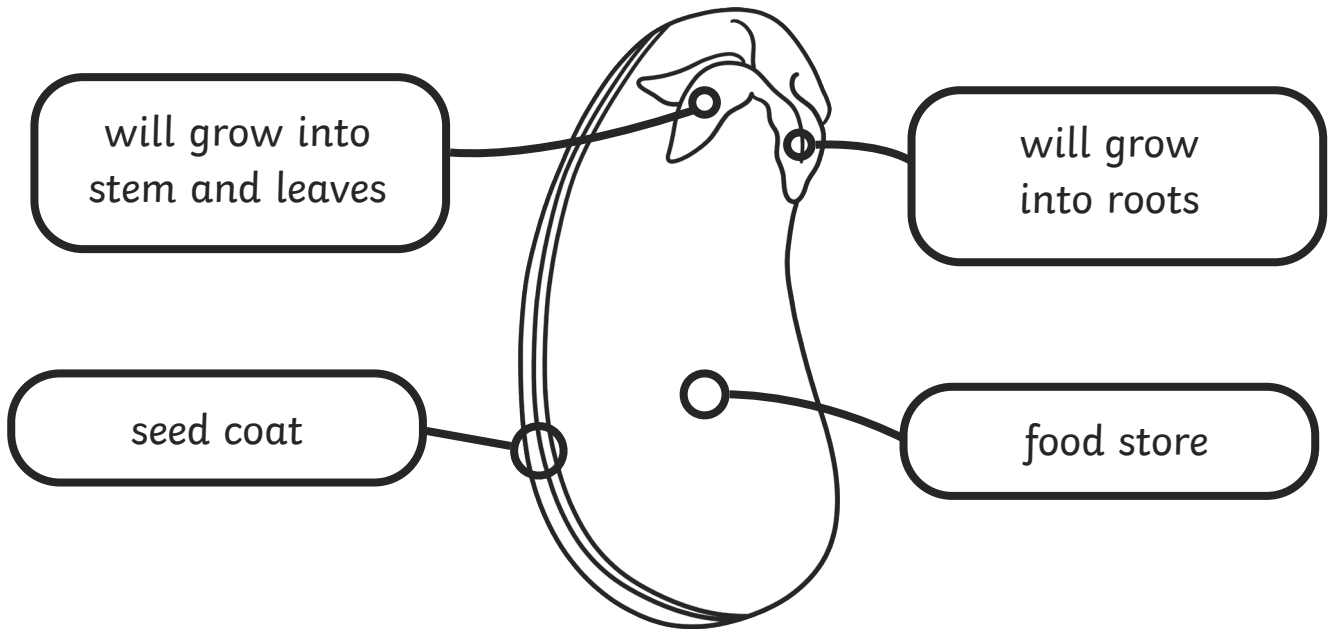
baby plant

food store

# Inside a Seed Answers

To look closely at the parts of a seed that will grow into a plant and explain how it will germinate.

Label the seed, using the word bank to help you.



**Can you explain what each part of the seed does?**

The seed coat protects the seed from getting damaged.

The food store feeds the baby plant until it can make its own food.

The baby plant will grow into the roots and stem of the new plant.

## Word Bank

seed coat

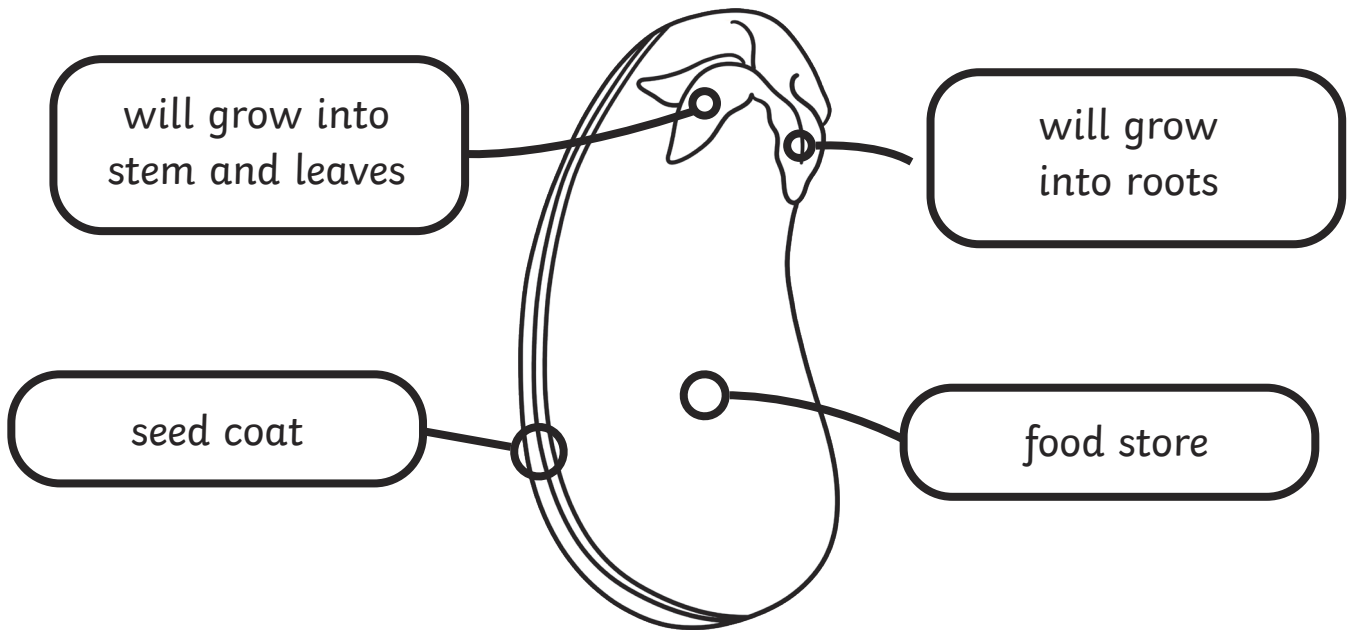
will grow into  
stem and leaves

will grow  
into roots

food store

# Inside a Seed Answers

Draw a diagram of the inside of a seed and label it to show the different parts, using the word bank to help you.



## Word Bank

seed coat

will grow into  
stem and leaves

will grow  
into roots

food store

**Can you explain what each part of the seed does?**

Seed coat: protects the seed from getting damaged.

Food store: feeds the baby plant until it can make its own food.

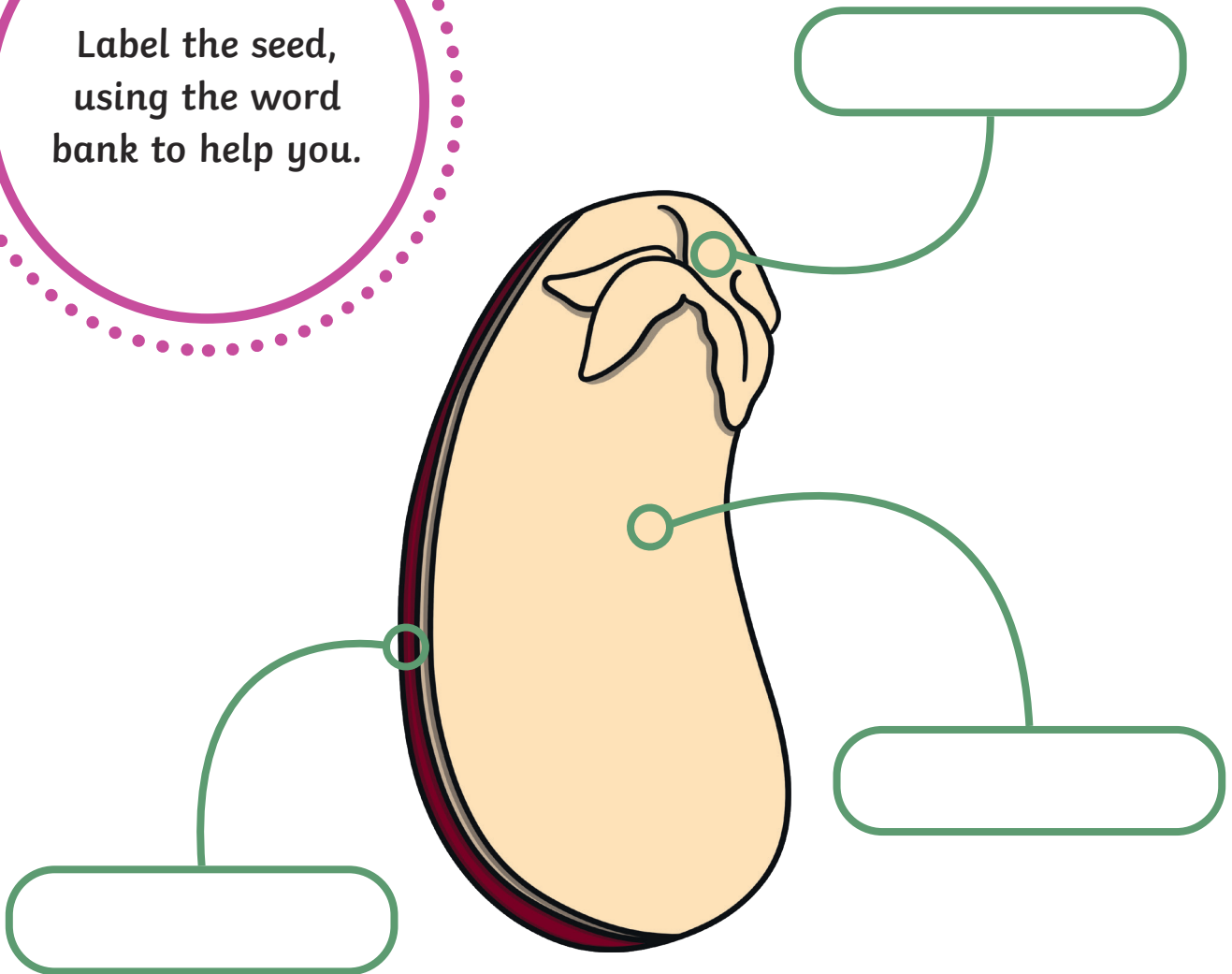
Baby plant: will grow into the roots and stem of the new plant.

# Inside a Seed

To look closely at the parts of a seed that will grow into a plant and explain how it will germinate.



Label the seed,  
using the word  
bank to help you.



## Word Bank

seed coat

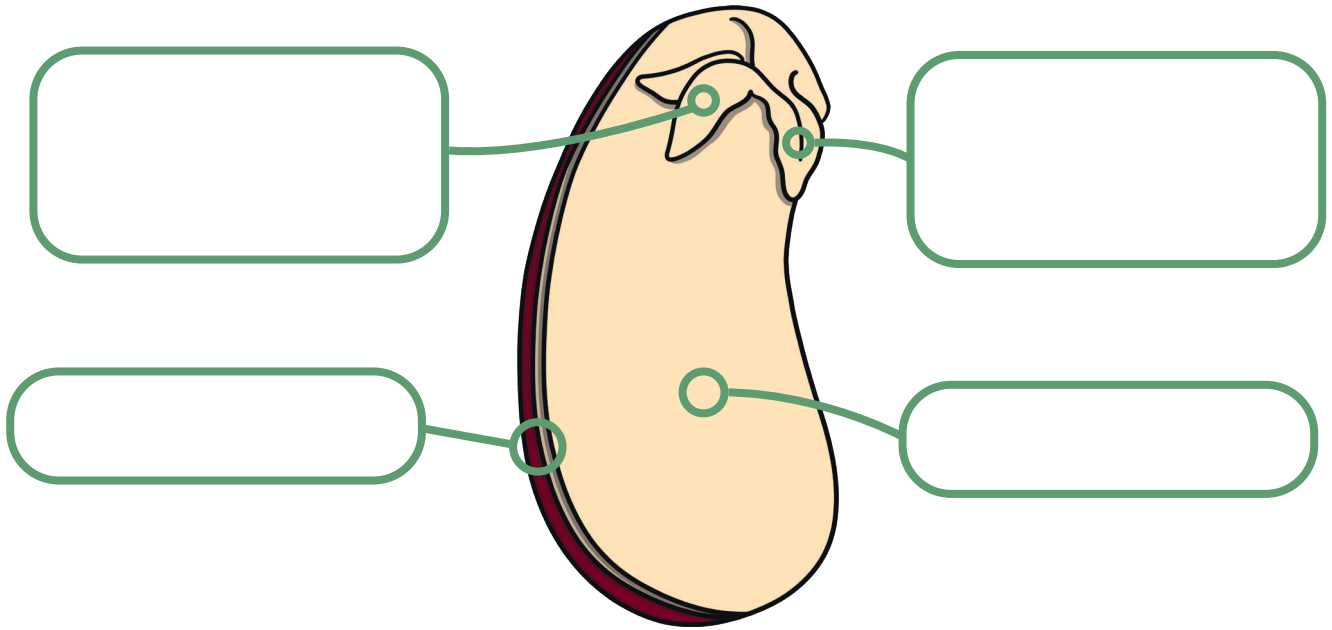
baby plant

food store

# Inside a Seed

To look closely at the parts of a seed that will grow into a plant and explain how it will germinate.

Label the seed, using the word bank to help you.



Can you explain what each part of the seed does?

The seed coat \_\_\_\_\_

\_\_\_\_\_

The food store \_\_\_\_\_

\_\_\_\_\_

The baby plant \_\_\_\_\_

\_\_\_\_\_

## Word Bank

seed coat

will grow into  
stem and leaves

will grow  
into roots

food store



# Inside a Seed

To look closely at the parts of a seed that will grow into a plant and explain how it will germinate.



Draw a diagram of the inside of a seed and label it to show the different parts, using the word bank to help you.

## Word Bank

seed coat

will grow into  
stem and leaves

will grow  
into roots

food store

Can you explain what each part of the seed does?

---

---

---

---

---

---

---

# Inside a Seed Answers

Label the seed,  
using the word  
bank to help you.

baby plant

food store

seed coat

**Word Bank**

seed coat

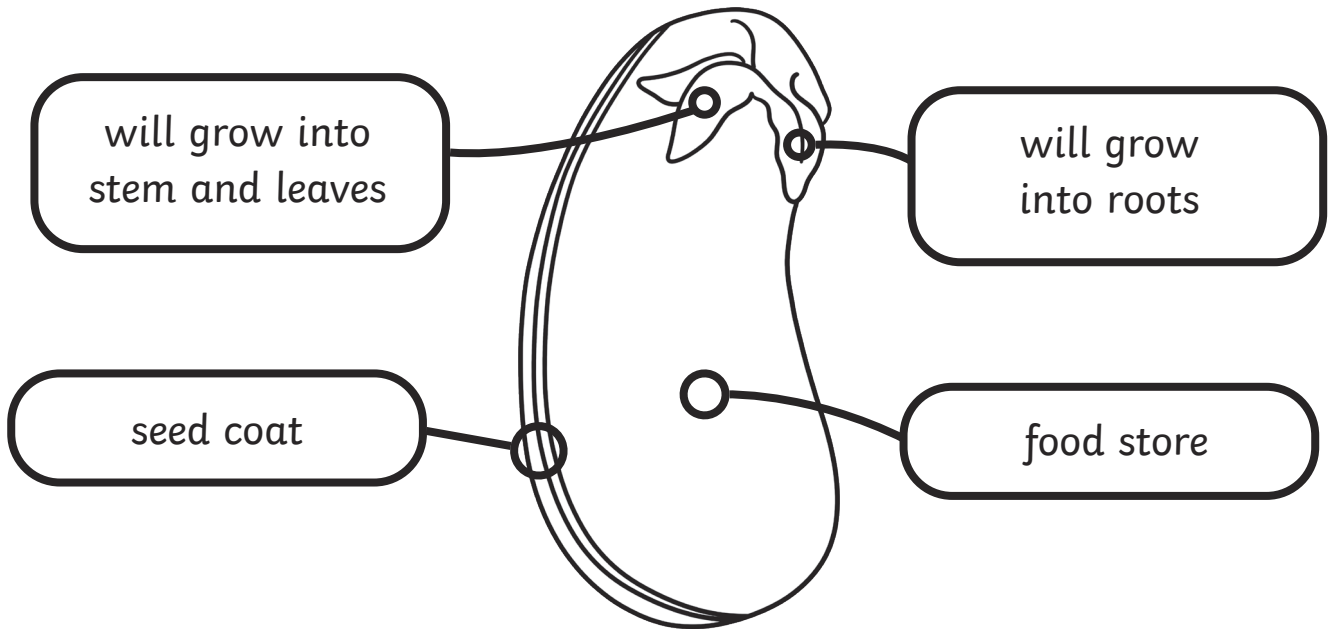
baby plant

food store

# Inside a Seed Answers

To look closely at the parts of a seed that will grow into a plant and explain how it will germinate.

Label the seed, using the word bank to help you.



**Can you explain what each part of the seed does?**

The seed coat protects the seed from getting damaged.

The food store feeds the baby plant until it can make its own food.

The baby plant will grow into the roots and stem of the new plant.

## Word Bank

seed coat

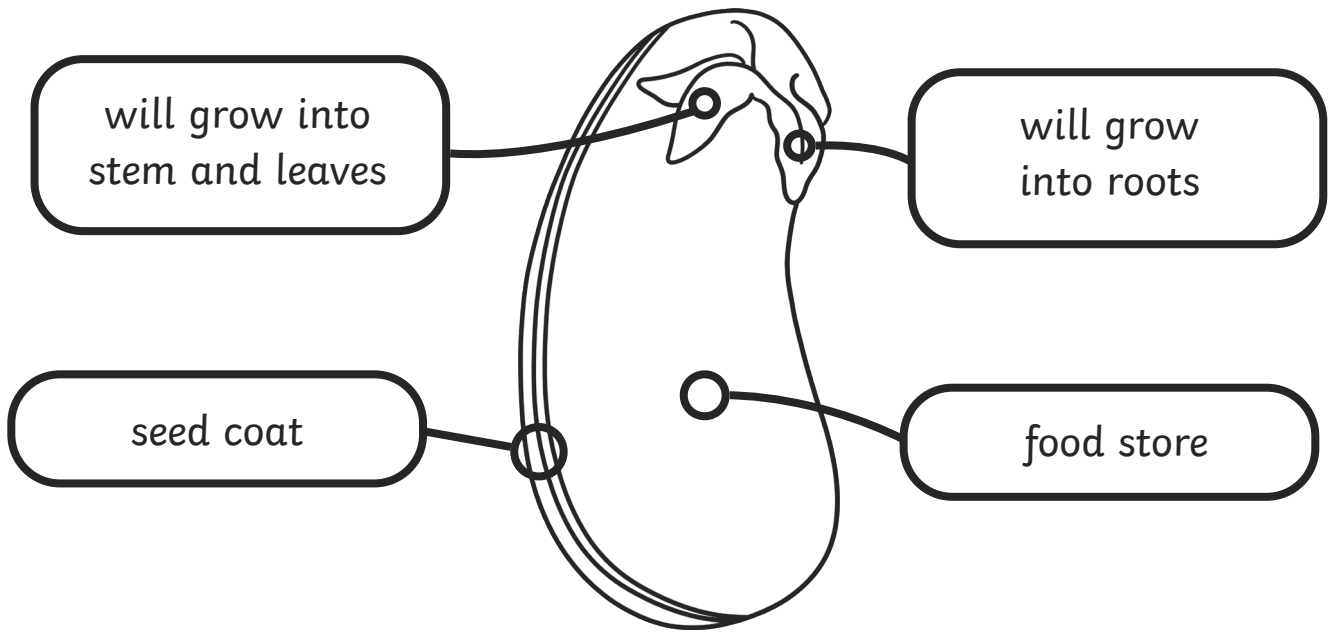
will grow into  
stem and leaves

will grow  
into roots

food store

# Inside a Seed Answers

Draw a diagram of the inside of a seed and label it to show the different parts, using the word bank to help you.



## Word Bank

seed coat

will grow into  
stem and leaves

will grow  
into roots

food store

**Can you explain what each part of the seed does?**

Seed coat: protects the seed from getting damaged.

Food store: feeds the baby plant until it can make its own food.

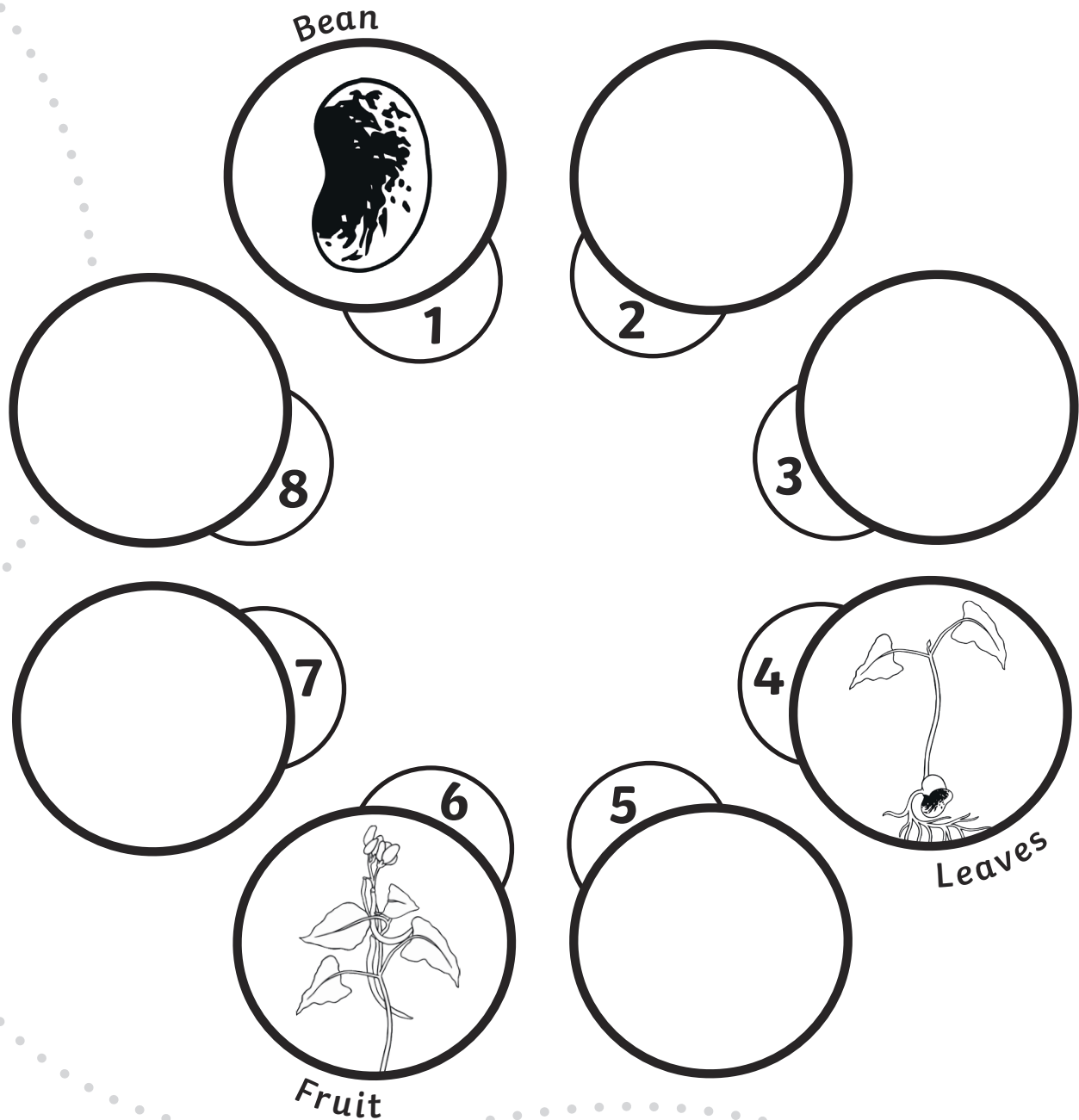
Baby plant: will grow into the roots and stem of the new plant.

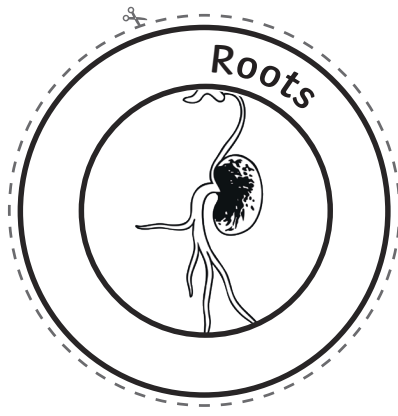
# Life Cycle of a Bean Plant

To describe the life cycle of a plant.



Cut out the pictures to complete the bean plant life cycle.



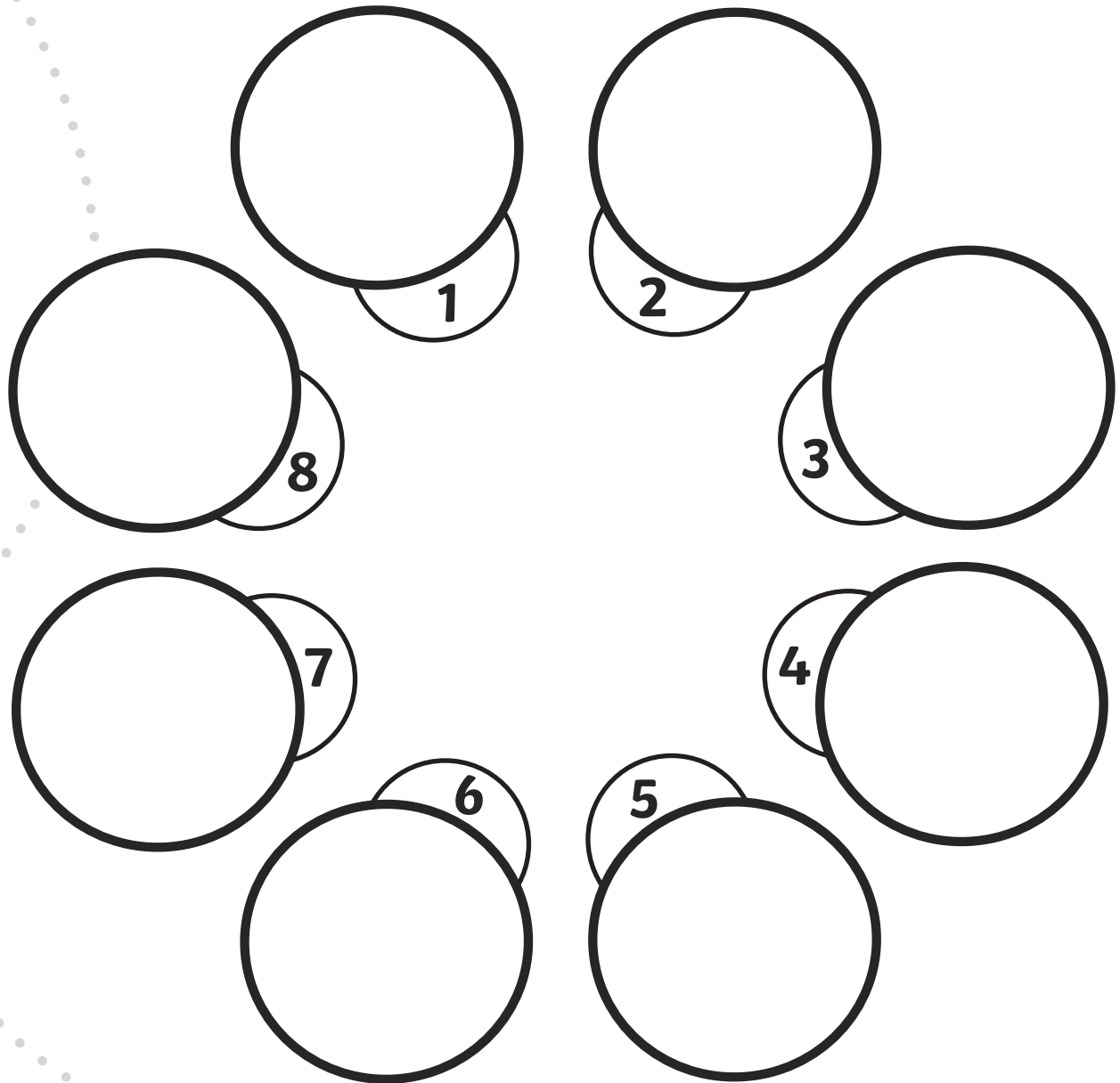


# Life Cycle of a Bean Plant

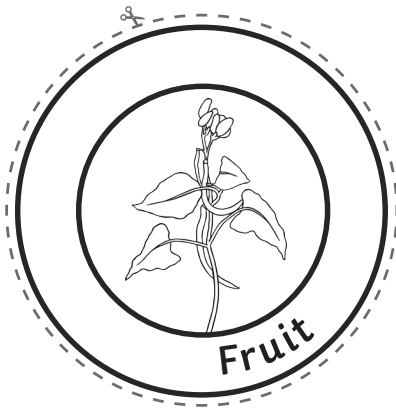
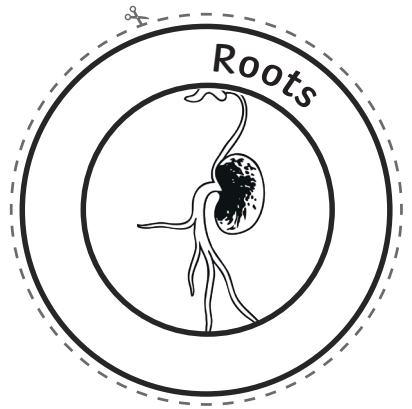
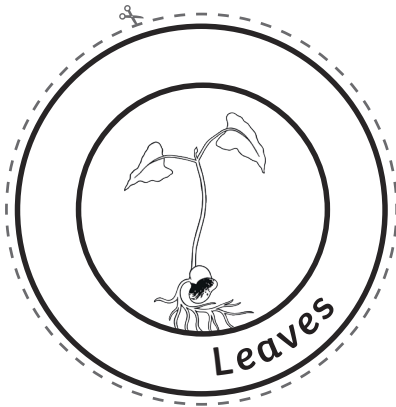
To describe the life cycle of a plant.



Cut out the pictures to complete the bean plant life cycle.



# Life Cycle of a Bean Plant





## Challenge!

Can you explain what happens during these stages of the plant's life cycle?  
Use the word bank to help you.

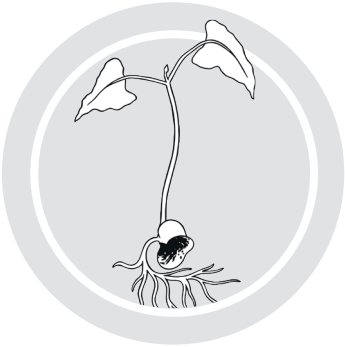


---

---

---

---



---

---

---

---



---

---

---

---

## Word Bank

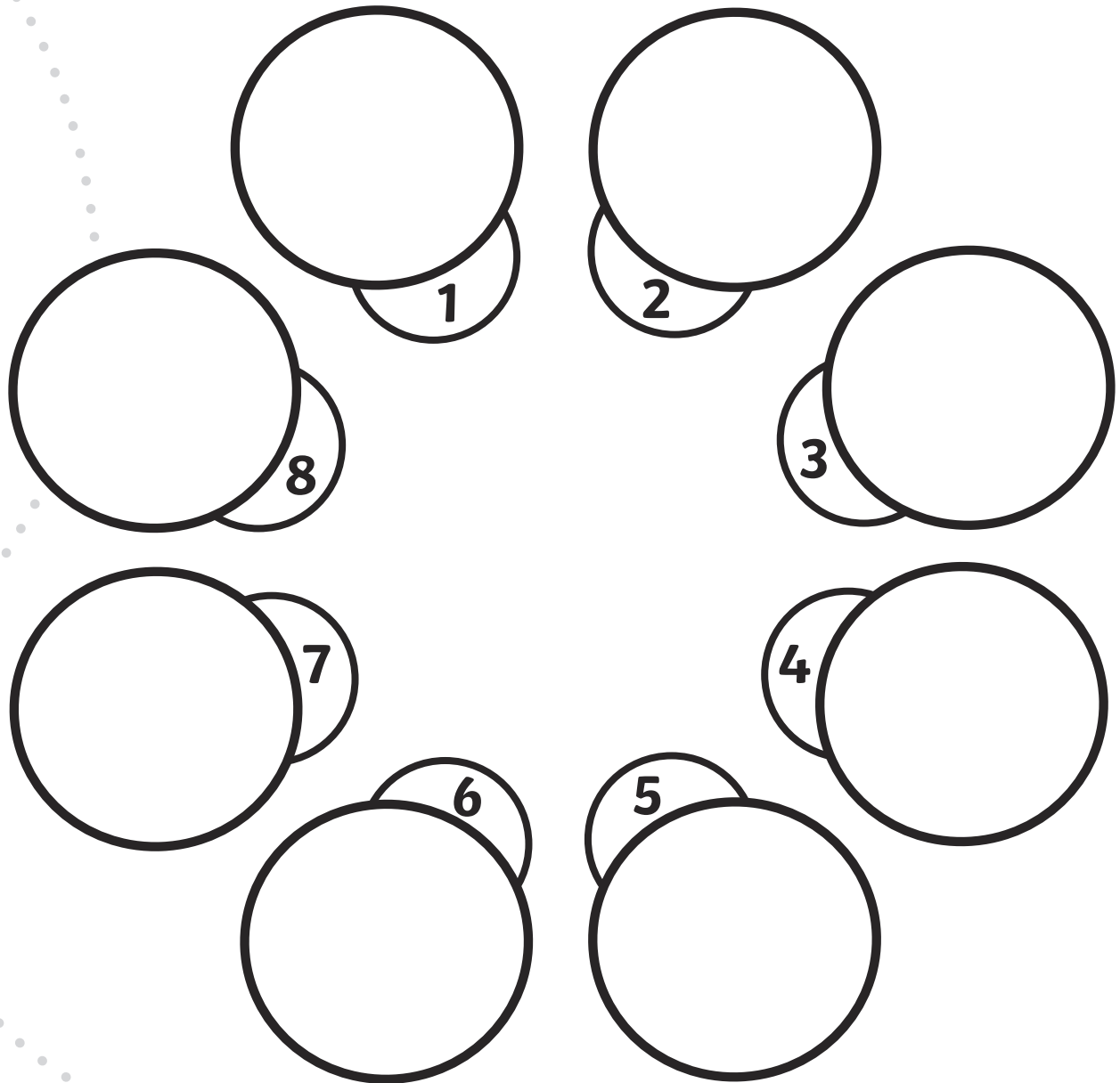
conditions      water      roots      shoots      grow  
bees      stem      leaves      light      food      seeds

# Life Cycle of a Bean Plant

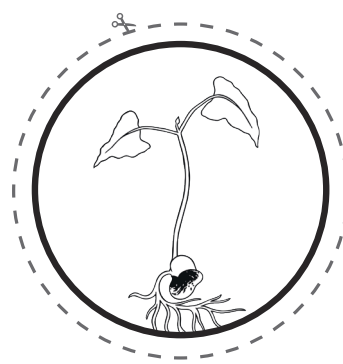
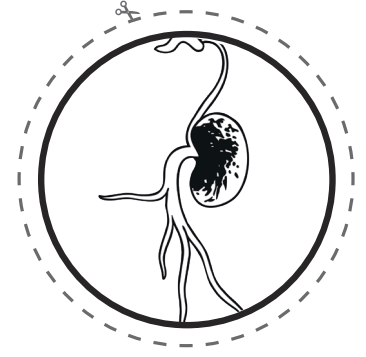
To describe the life cycle of a plant.



Cut out the pictures to complete the bean plant life cycle.



# Life Cycle of a Bean Plant



Flowers

Roots

Seed Dispersal

Germination

Bean

Leaves

Dies

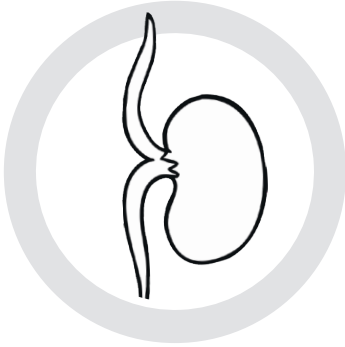
Fruit

## Challenge!

Look at these plants. Which stage of its life cycle do you think each is at currently? Explain how you know, using these sentence starters to help you.

### Sentence Starters

- This plant is ...
- I know this because ...



---

---

---

---



---

---

---

---



---

---

---

---



---

---

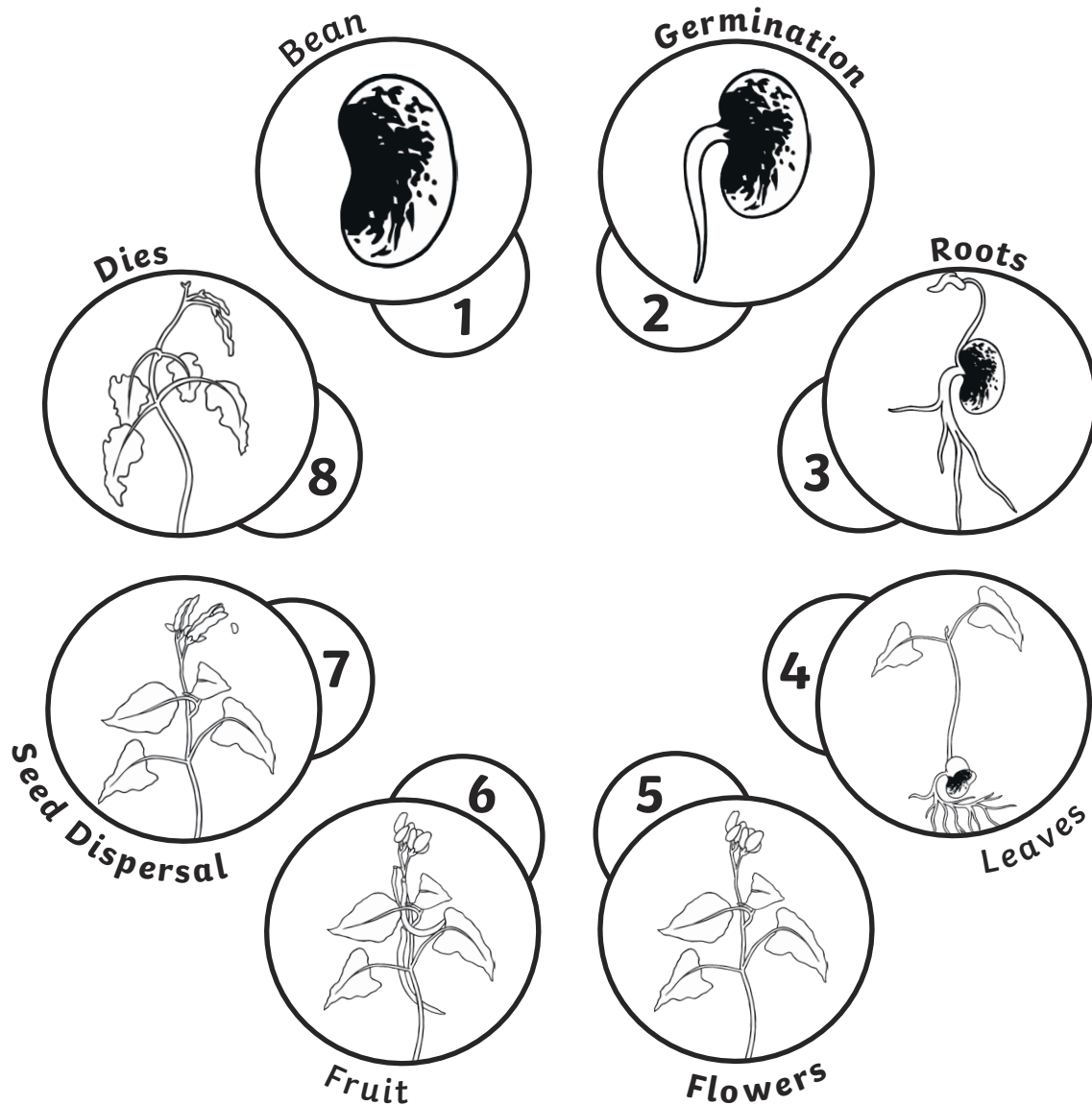
---

---

# Life Cycle of a Bean Plant Answers

To describe the life cycle of a plant.

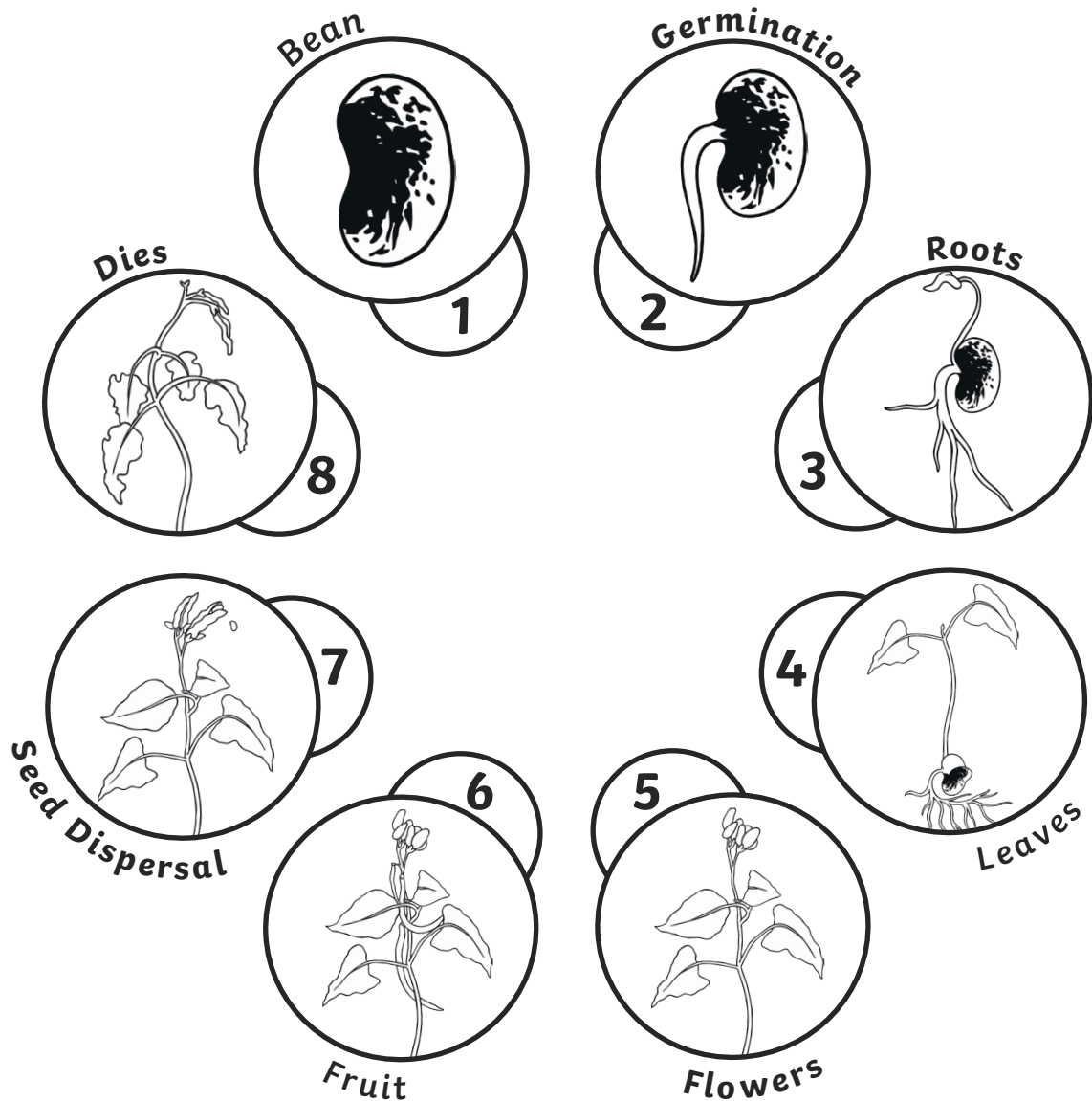
Cut out the pictures to complete the bean plant life cycle.



# Life Cycle of a Bean Plant Answers

To describe the life cycle of a plant.

Cut out the pictures to complete the bean plant life cycle.



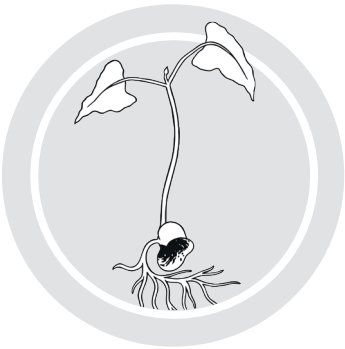
## Challenge!

Can you explain what happens during these stages of the plant's life cycle?  
Use the word bank to help you.

### Example answers



When the conditions are right and the seed has water, it bursts open and the roots and shoot begin to grow.



Once the stem has grown, the leaves start to grow. The plant can make its own food when it has leaves and light.



Flowers grow. They attract bees and other insects, which can then help the plant to make seeds.

### Word Bank

conditions

water

roots

shoots

grow

bees

stem

leaves

light

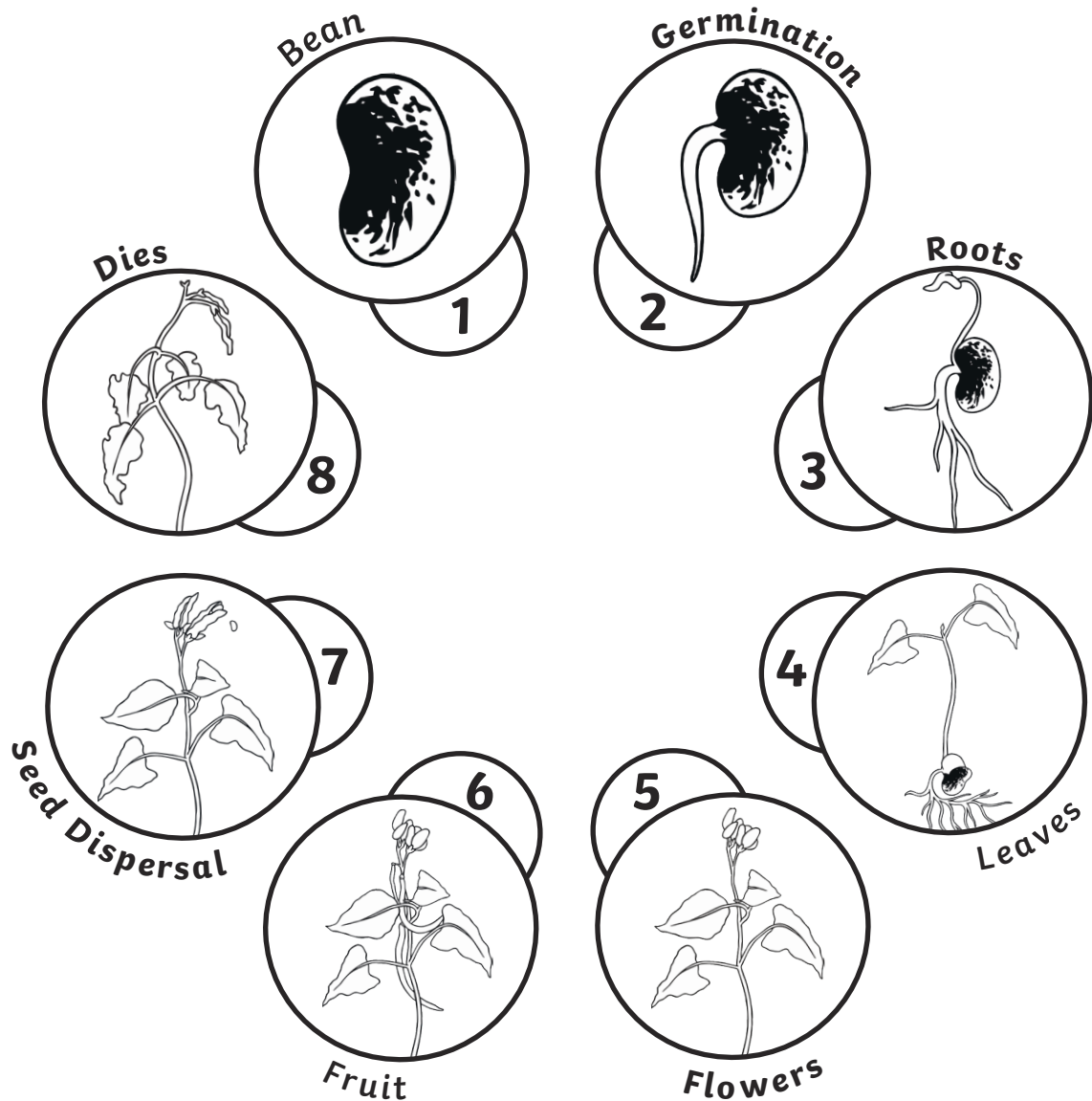
food

seeds

# Life Cycle of a Bean Plant Answers

To describe the life cycle of a plant.

Cut out the pictures to complete the bean plant life cycle.





## Challenge!

Look at these plants. Which stage of its life cycle do you think each is at currently? Explain how you know, using these sentence starters to help you.

### Sentence Starters

- This plant is ...
- I know this because ...

### Example answers



This is early in the life cycle, when germination happens. I know this because the seed has just burst open and only has a tiny shoot.



This is a fully-grown plant. I know this because it has a tall stem, leaves, fruit and flowers. The seeds have grown inside the fruit.



This is baby plant. The stem and leaves have only just started to grow. I know this because they are both still small.



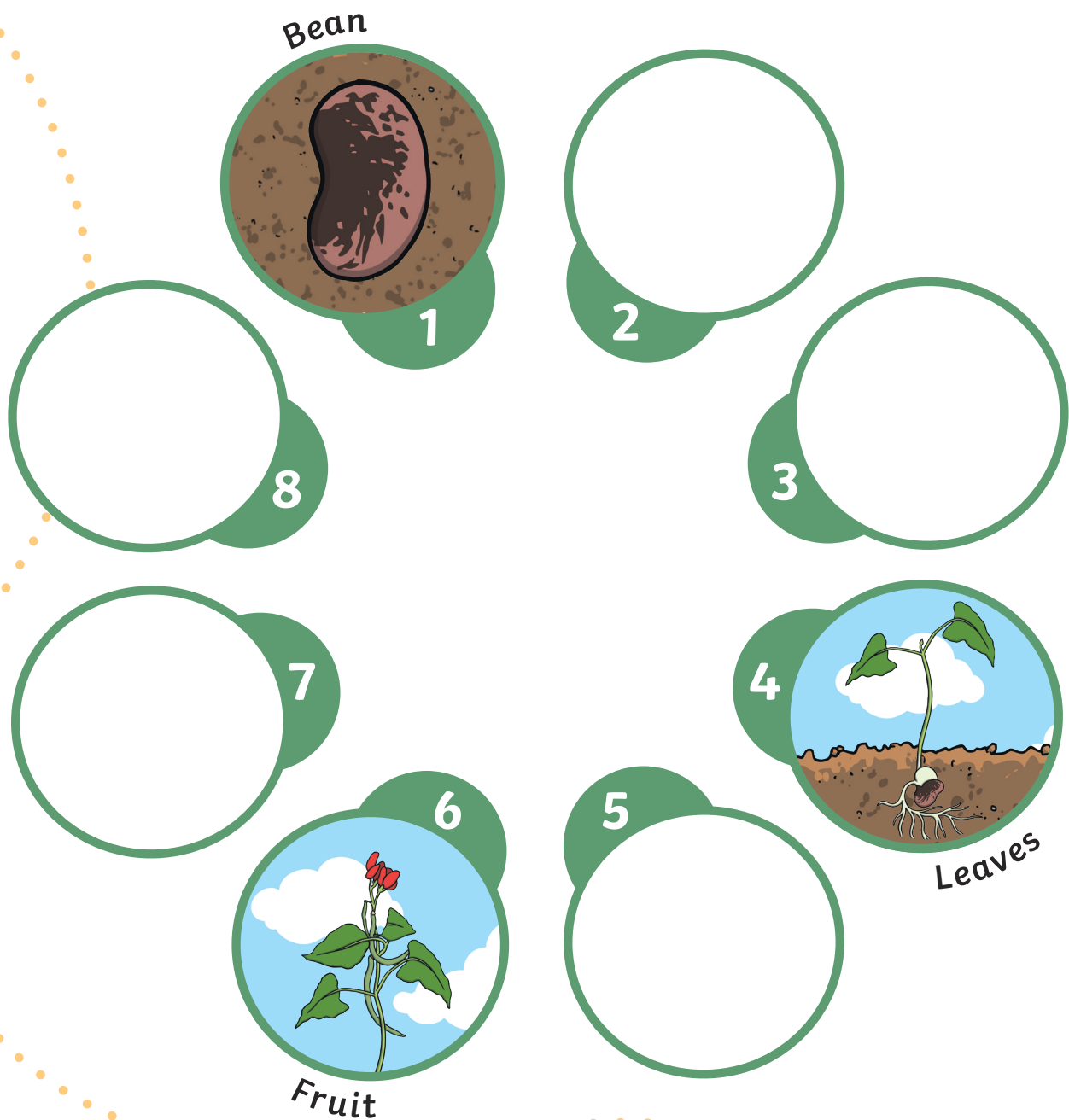
This plant is about halfway through its life cycle. I know this because it has leaves, but hasn't grown any flowers or fruit yet.

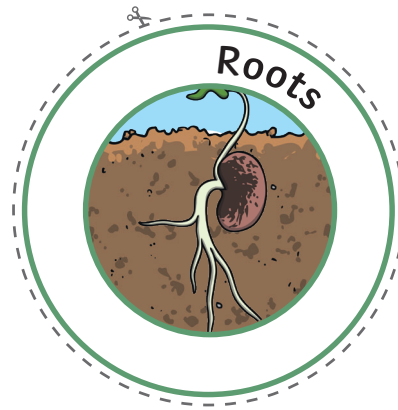
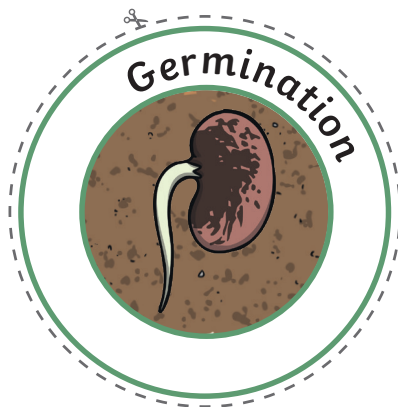
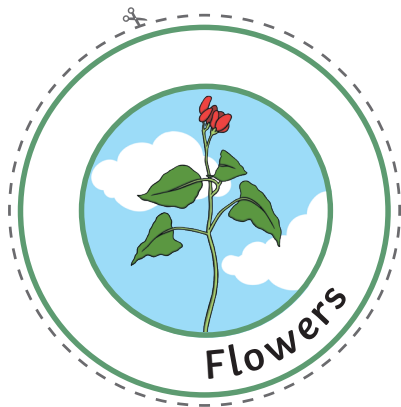
# Life Cycle of a Bean Plant

To describe the life cycle of a plant.



Cut out the pictures to complete the bean plant life cycle.



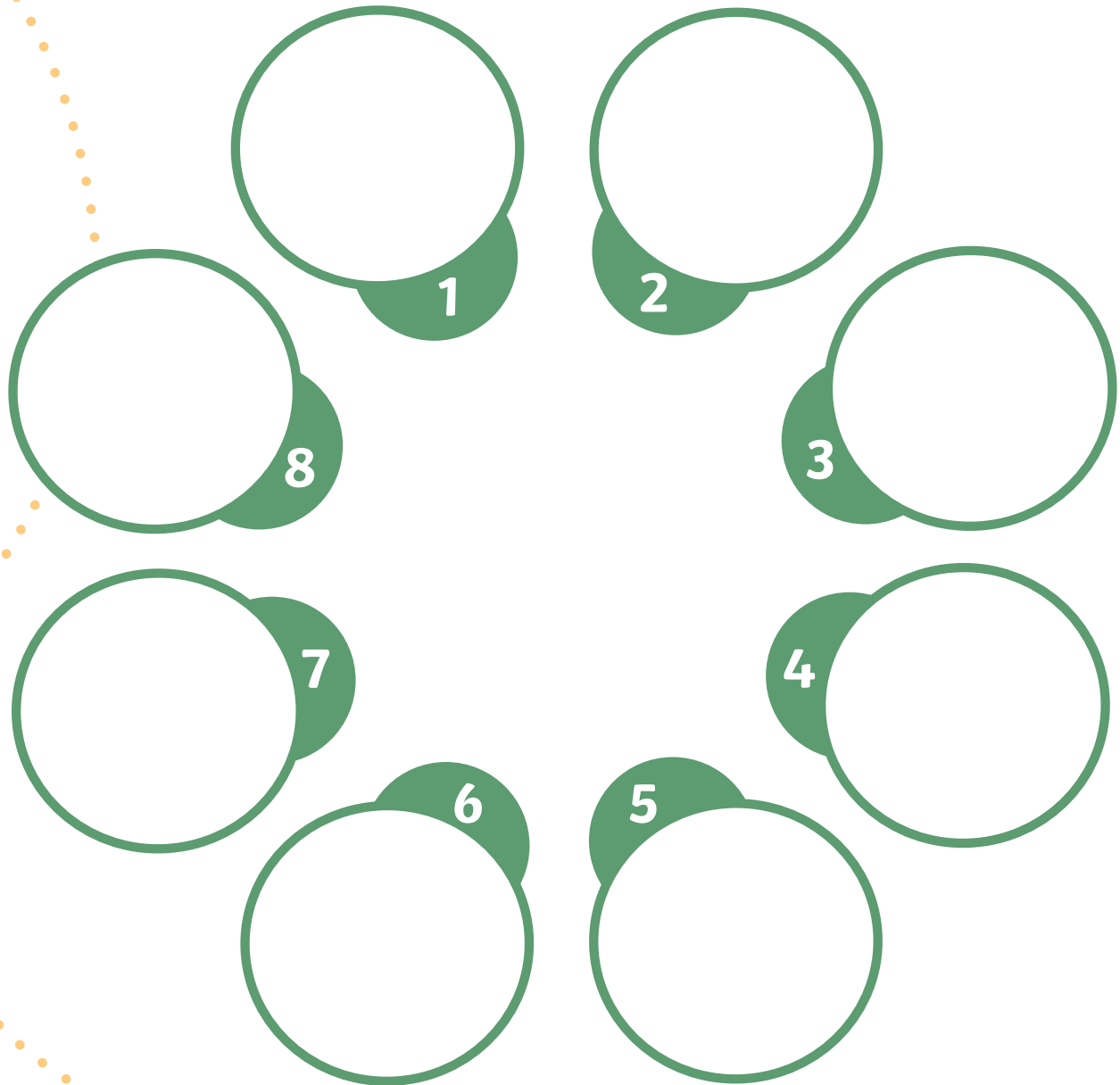


# Life Cycle of a Bean Plant

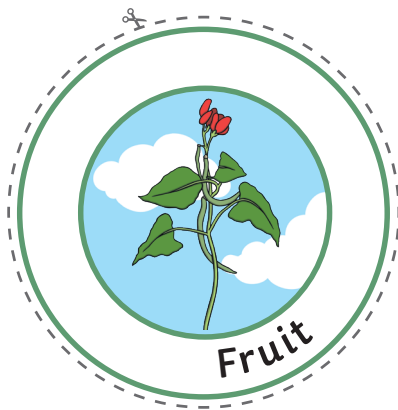
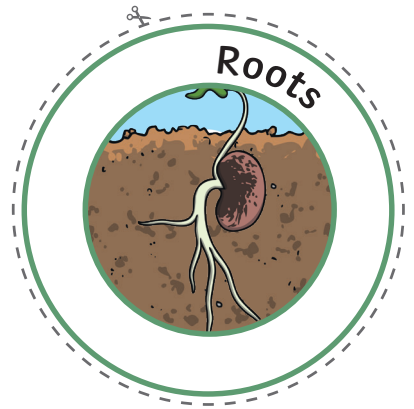
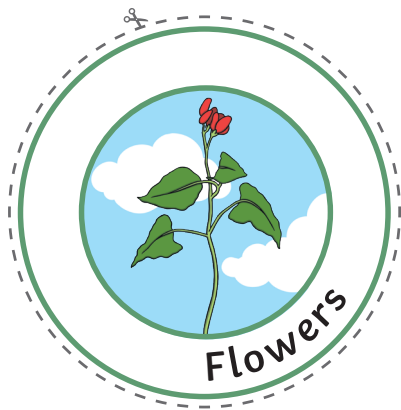
To describe the life cycle of a plant.



Cut out the pictures to complete the bean plant life cycle.



# Life Cycle of a Bean Plant



## Challenge!

Can you explain what happens during these stages of the plant's life cycle?  
Use the word bank to help you.

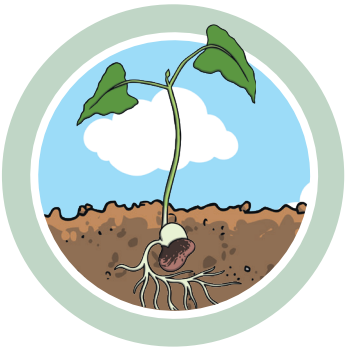


---

---

---

---

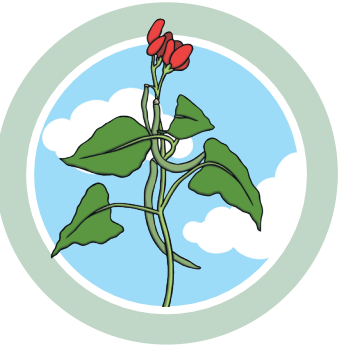


---

---

---

---



---

---

---

---

## Word Bank

conditions

water

roots

shoots

grow

bees

stem

leaves

light

food

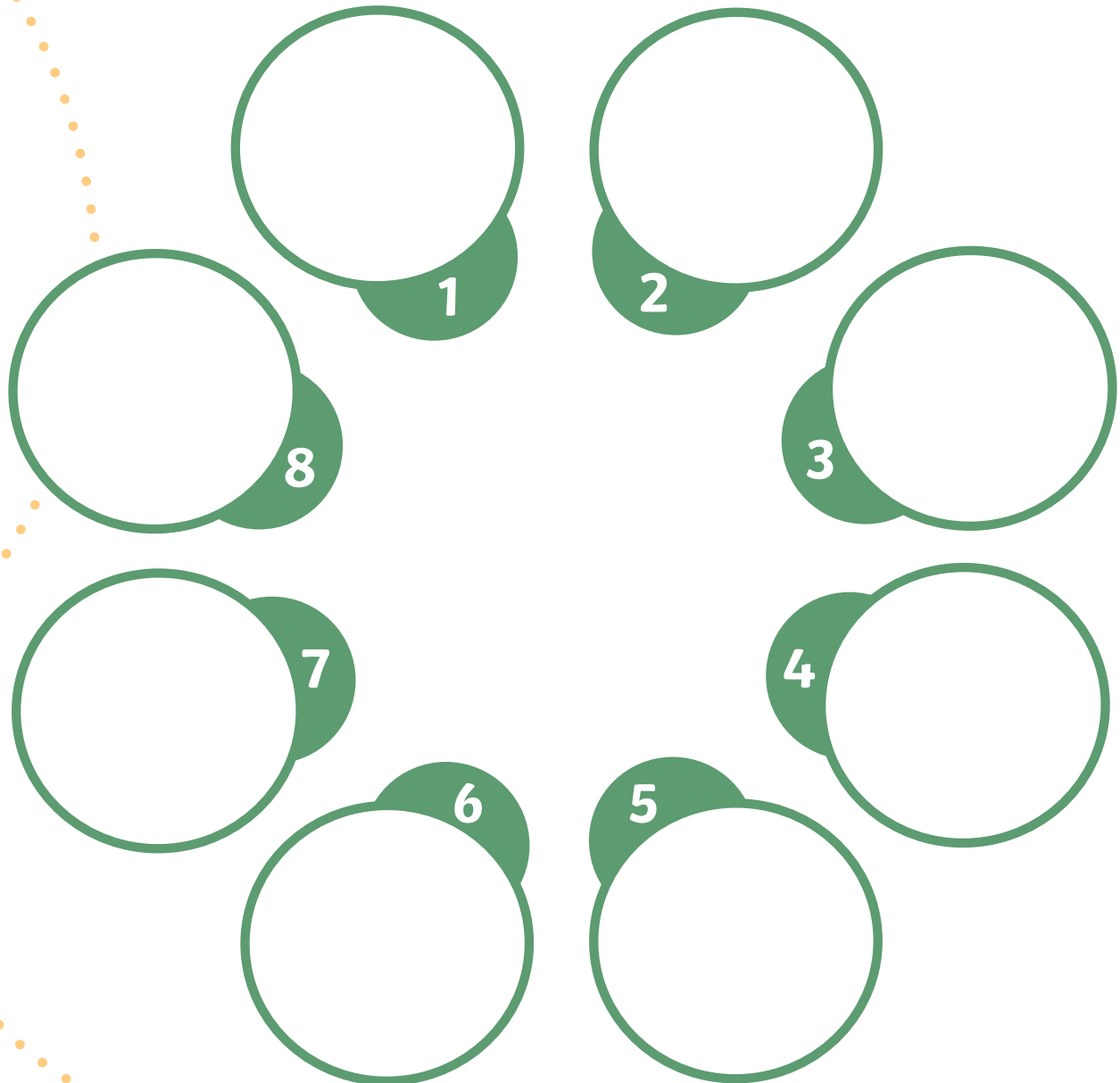
seeds

# Life Cycle of a Bean Plant

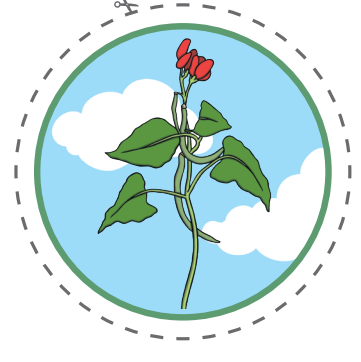
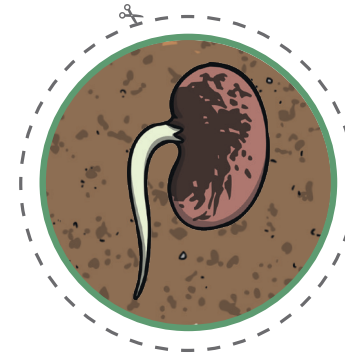
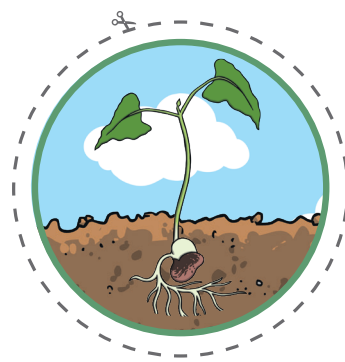
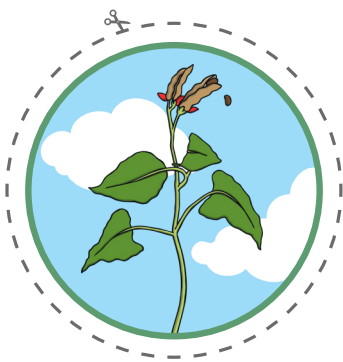
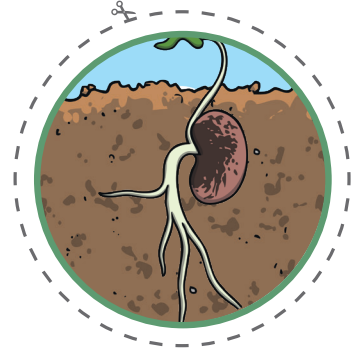
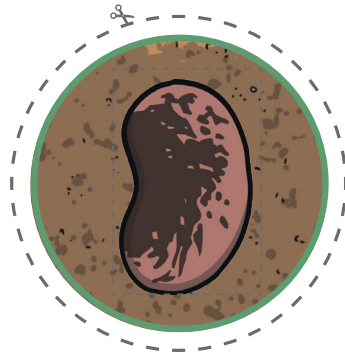
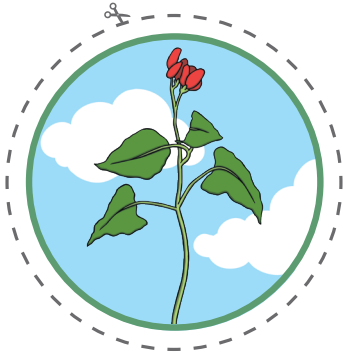
To describe the life cycle of a plant.



Cut out the pictures to complete the bean plant life cycle.



# Life Cycle of a Bean Plant



Flowers

Roots

Seed Dispersal

Germination

Bean

Leaves

Dies

Fruit



## Challenge!

Look at these plants. Which stage of its life cycle do you think each is at currently? Explain how you know, using these sentence starters to help you.

### Sentence Starters

- This plant is ...
- I know this because ...



---

---

---

---



---

---

---

---



---

---

---

---



---

---

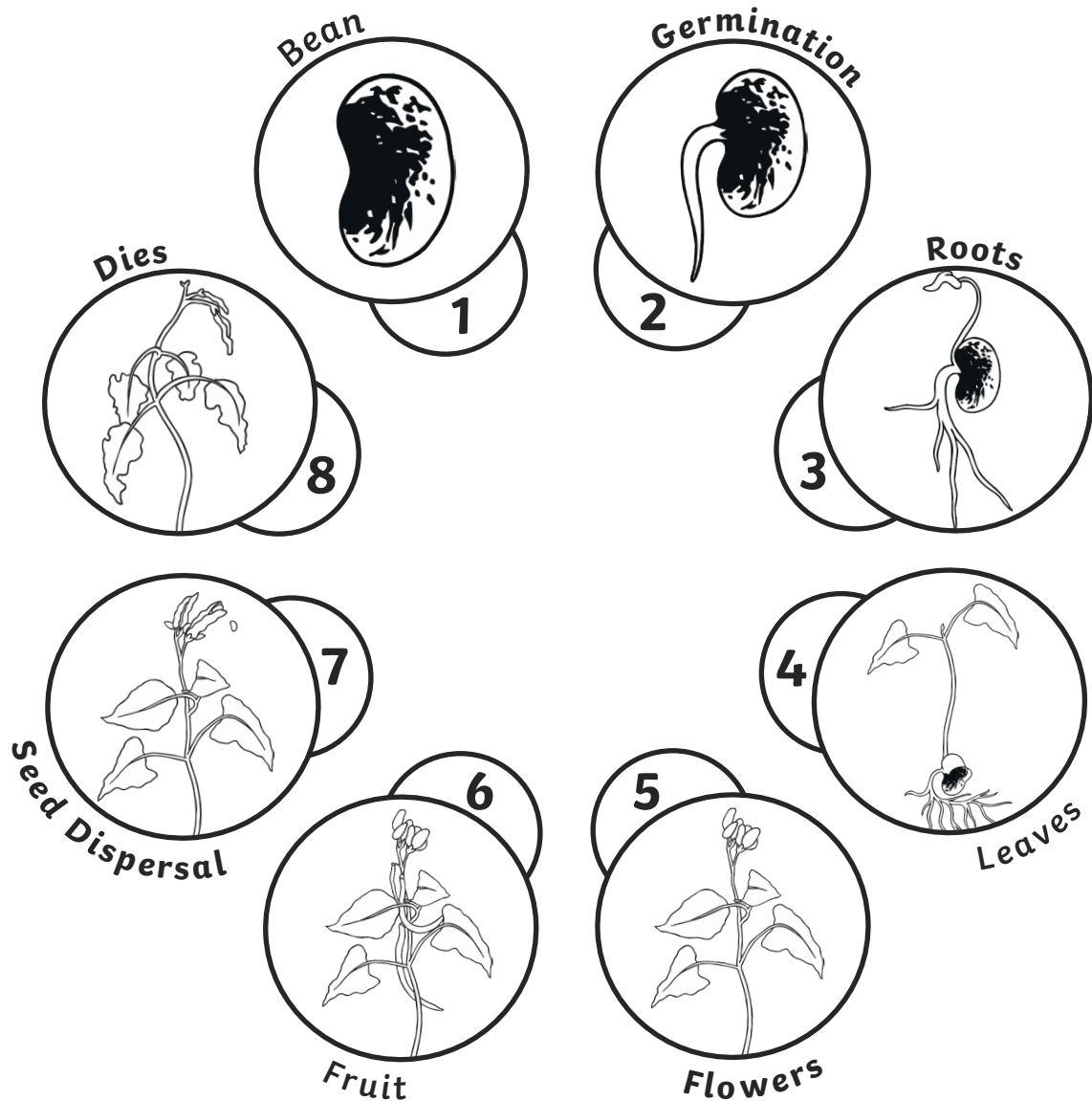
---

---

# Life Cycle of a Bean Plant Answers

To describe the life cycle of a plant.

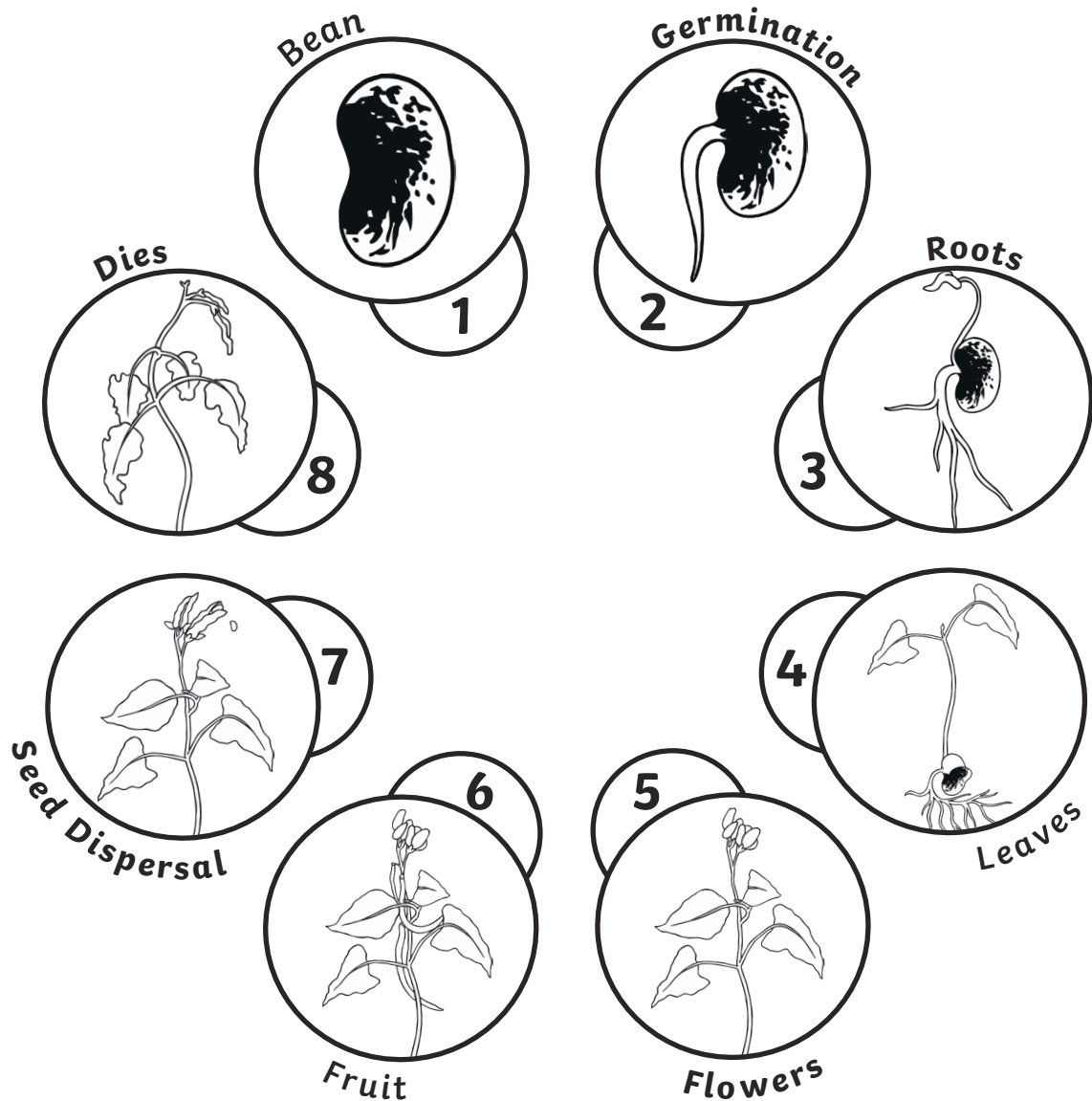
Cut out the pictures to complete the bean plant life cycle.



# Life Cycle of a Bean Plant Answers

To describe the life cycle of a plant.

Cut out the pictures to complete the bean plant life cycle.



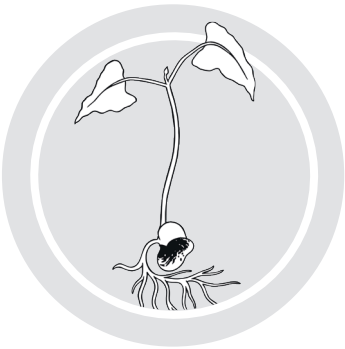
## Challenge!

Can you explain what happens during these stages of the plant's life cycle?  
Use the word bank to help you.

### Example answers



When the conditions are right and the seed has water, it bursts open and the roots and shoot begin to grow.



Once the stem has grown, the leaves start to grow. The plant can make its own food when it has leaves and light.



Flowers grow. They attract bees and other insects, which can then help the plant to make seeds.

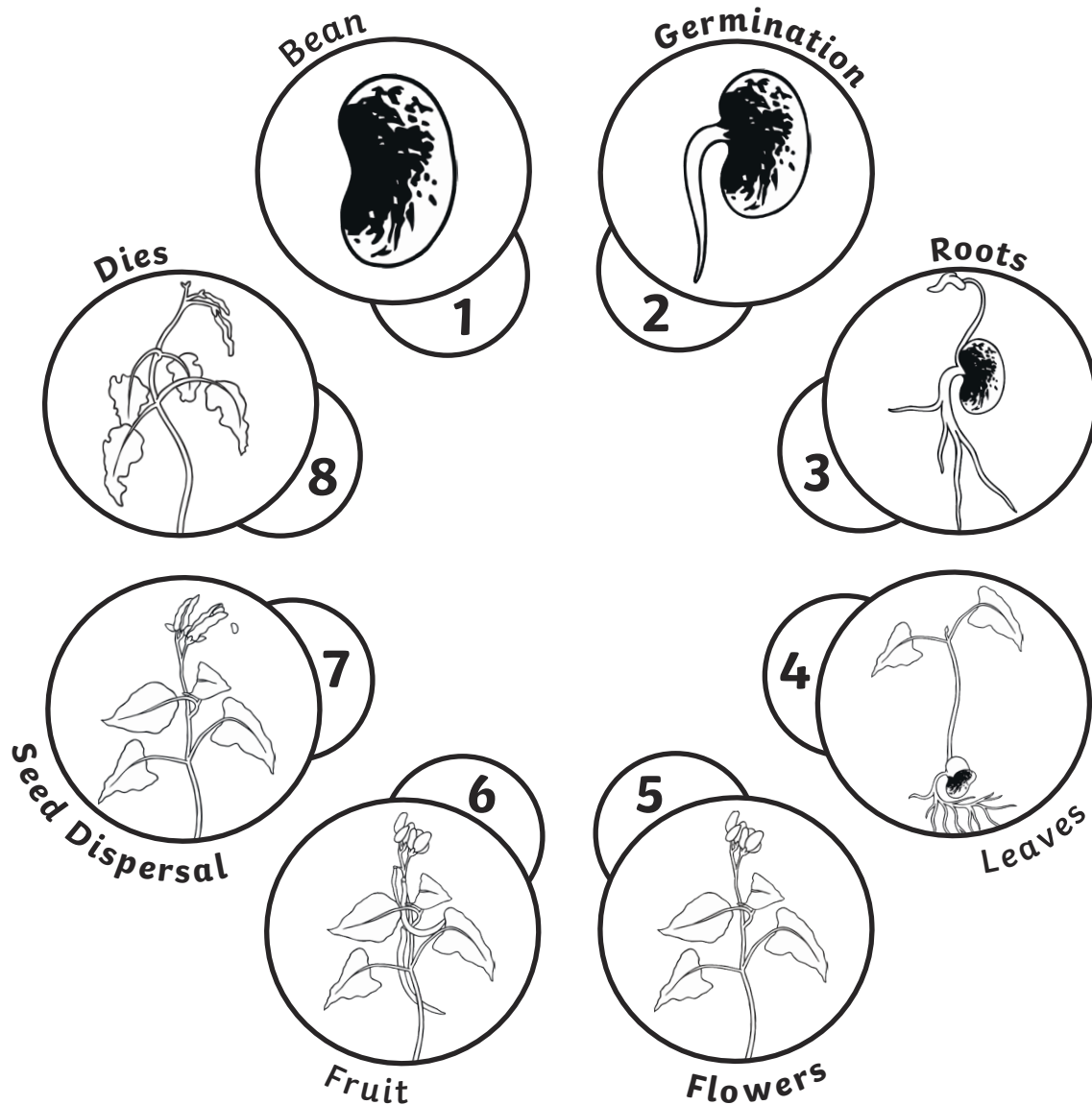
### Word Bank

conditions      water      roots      shoots      grow  
bees      stem      leaves      light      food      seeds

# Life Cycle of a Bean Plant Answers

To describe the life cycle of a plant.

Cut out the pictures to complete the bean plant life cycle.



## Challenge!

Look at these plants. Which stage of its life cycle do you think each is at currently? Explain how you know, using these sentence starters to help you.

### Sentence Starters

- This plant is ...
- I know this because ...

### Example answers



This is early in the life cycle, when germination happens. I know this because the seed has just burst open and only has a tiny shoot.



This is a fully-grown plant. I know this because it has a tall stem, leaves, fruit and flowers. The seeds have grown inside the fruit.



This is baby plant. The stem and leaves have only just started to grow. I know this because they are both still small.



This plant is about halfway through its life cycle. I know this because it has leaves, but hasn't grown any flowers or fruit yet.

# What Does a Plant Need to Stay Healthy?

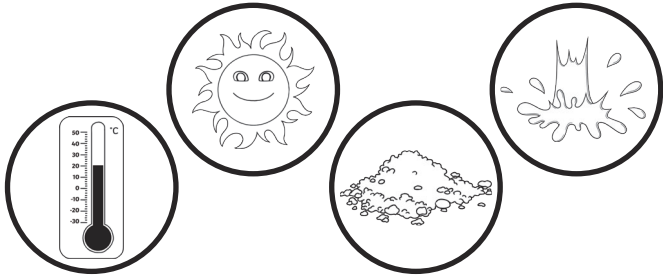
To design and set up a test to find out what plants need to stay healthy.



## What We Did

We are testing what a plant needs to grow and stay healthy. We have planted seeds in 5 different pots. Draw a picture showing what each pot will have and write what will be missing for each one.

Pot 1 has soil, water, light and the right temperature.



Pot 2 will **not** have \_\_\_\_\_

\_\_\_\_\_

Pot 3 will **not** have \_\_\_\_\_

\_\_\_\_\_

Pot 4 will **not** have \_\_\_\_\_

\_\_\_\_\_

Pot 5 will **not** have \_\_\_\_\_

\_\_\_\_\_

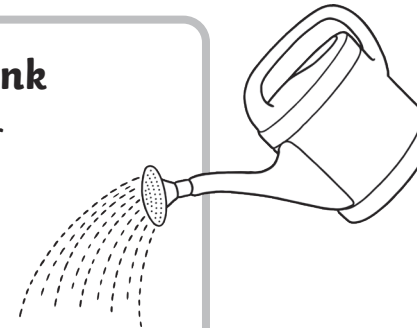
### Word Bank

water

soil

light

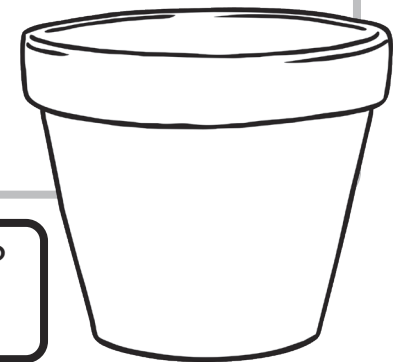
the right temperature



## What We Think Will Happen

Write what you think will happen to each plant. You can use the word bank to help you.

<p>Pot 1</p> <hr/> <hr/> <hr/> <hr/>	<p>Pot 2</p> <hr/> <hr/> <hr/> <hr/>	<p>Pot 3</p> <hr/> <hr/> <hr/> <hr/>
<p>Pot 4</p> <hr/> <hr/> <hr/> <hr/>	<p>Pot 5</p> <hr/> <hr/> <hr/> <hr/>	<p><b>Word Bank</b></p> <p>not healthy    healthy    big</p> <p>small    yellow    green</p> <p>brown</p> <p>wilted</p> <p>strong</p>



**Challenge!** Do you think there will be anything about our test that will be tricky to do? Write a sentence on your whiteboard to explain.



# What Does a Plant Need to Stay Healthy?

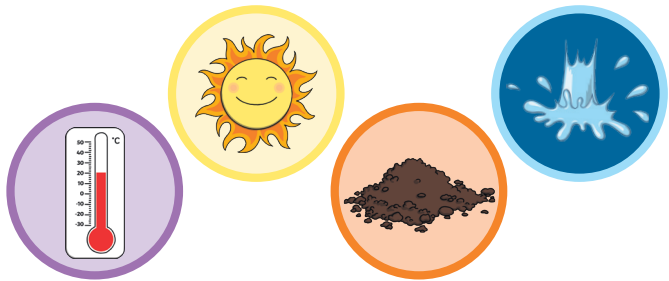
To design and set up a test to find out what plants need to stay healthy.



## What We Did

We are testing what a plant needs to grow and stay healthy. We have planted seeds in 5 different pots. Draw a picture showing what each pot will have and write what will be missing for each one.

Pot 1 has soil, water, light and the right temperature.



Pot 2 will **not** have \_\_\_\_\_

\_\_\_\_\_

Pot 3 will **not** have \_\_\_\_\_

\_\_\_\_\_

Pot 4 will **not** have \_\_\_\_\_

\_\_\_\_\_

Pot 5 will **not** have \_\_\_\_\_

\_\_\_\_\_

### Word Bank

water

soil

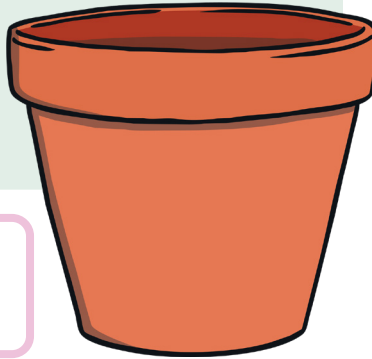
light

the right temperature



## What We Think Will Happen

Write what you think will happen to each plant. You can use the word bank to help you.

<p>Pot 1</p> <hr/> <hr/> <hr/> <hr/>	<p>Pot 2</p> <hr/> <hr/> <hr/> <hr/>	<p>Pot 3</p> <hr/> <hr/> <hr/> <hr/>
<p>Pot 4</p> <hr/> <hr/> <hr/> <hr/>	<p>Pot 5</p> <hr/> <hr/> <hr/> <hr/>	<p><b>Word Bank</b></p> <p>not healthy    healthy    big</p> <p>small    yellow    green</p> <p>brown</p> <p>wilted</p> <p>strong</p> 

### Challenge!

Do you think there will be anything about our test that will be tricky to do? Write a sentence on your whiteboard to explain.

# Class Plant Diary

We have planted a \_\_\_\_\_ on \_\_\_\_\_.

name of plant

date

We are going to observe and measure how the plant grows and either draw or photograph it each week.

Starting week:

Week 1:

The plant is \_\_\_\_\_ tall.

Week 2:

The plant is \_\_\_\_\_ tall.

Week 3:

The plant is \_\_\_\_\_ tall.

Week 4:

The plant is \_\_\_\_\_ tall.

Week 5:

The plant is \_\_\_\_\_ tall.

Week 6:

The plant is \_\_\_\_\_ tall.

Week 7:

The plant is \_\_\_\_\_ tall.



Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.



Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.

Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.

Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.

Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.

Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.

Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.

Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.

# Class Plant Diary

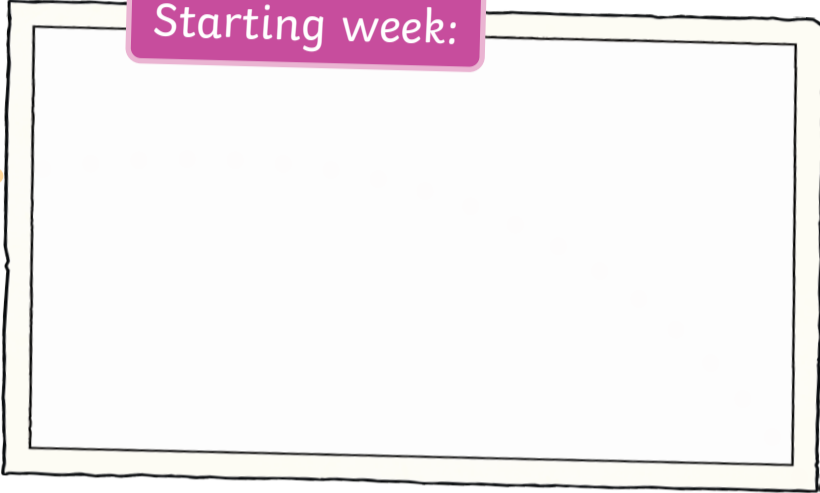
We have planted a \_\_\_\_\_ on \_\_\_\_\_.

name of plant

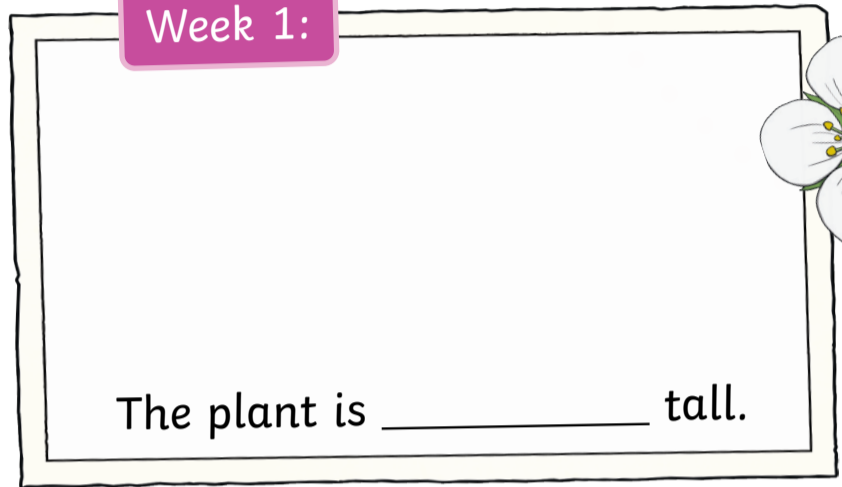
date

We are going to observe and measure how the plant grows and either draw or photograph it each week.

Starting week:

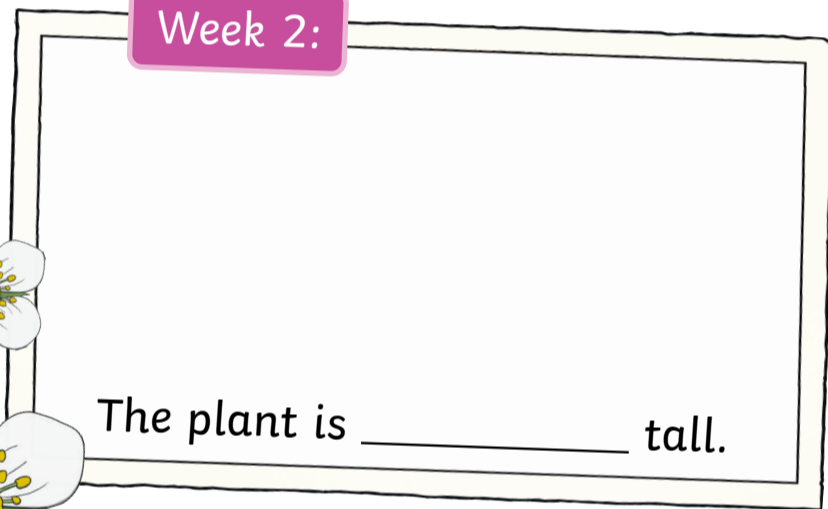


Week 1:



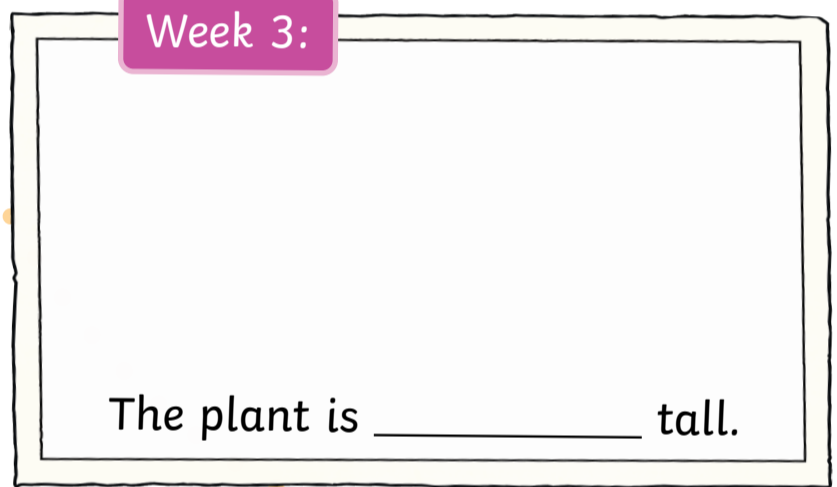
The plant is \_\_\_\_\_ tall.

Week 2:



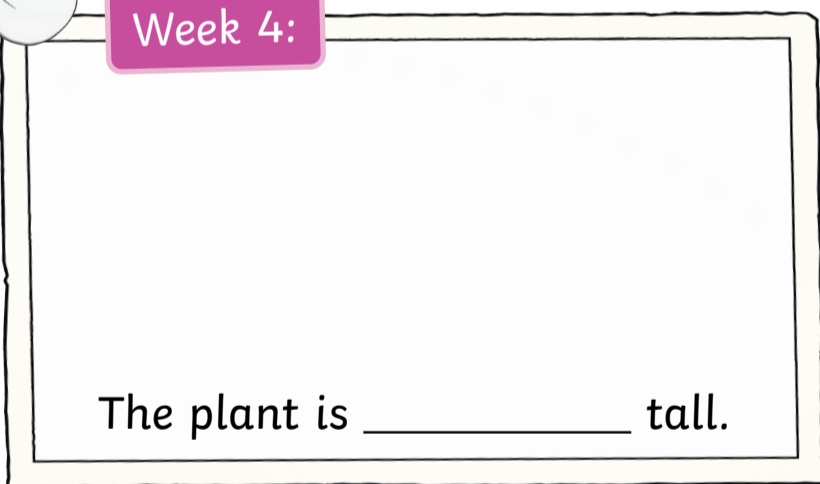
The plant is \_\_\_\_\_ tall.

Week 3:



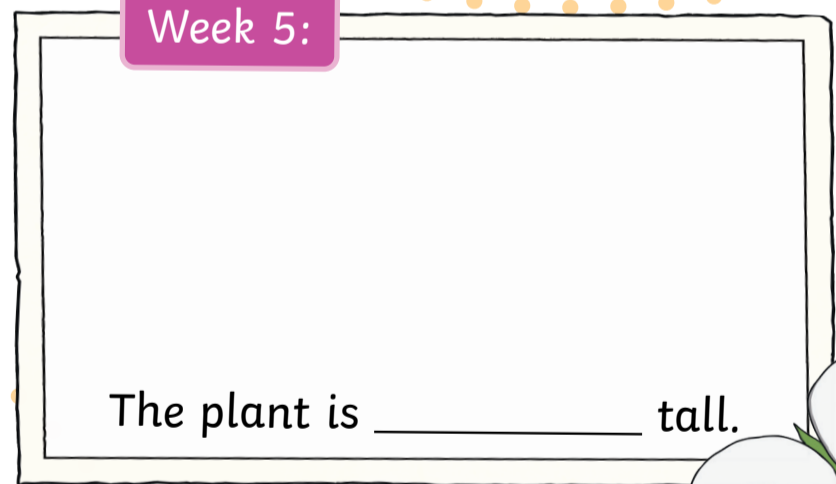
The plant is \_\_\_\_\_ tall.

Week 4:



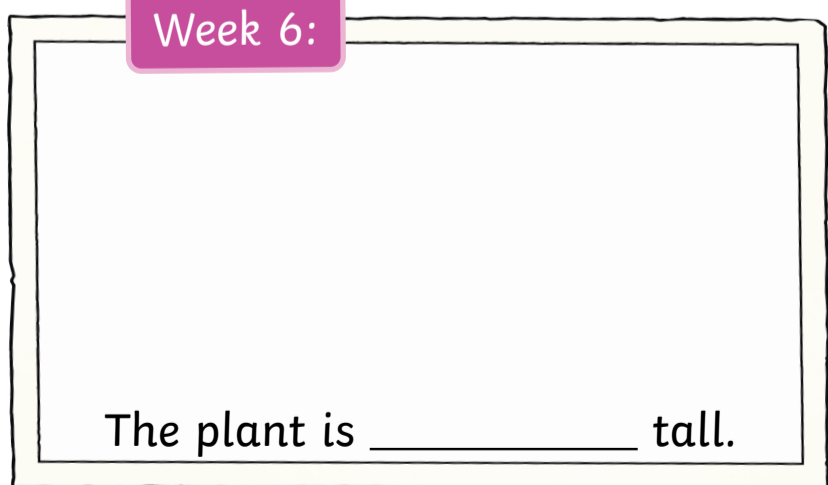
The plant is \_\_\_\_\_ tall.

Week 5:



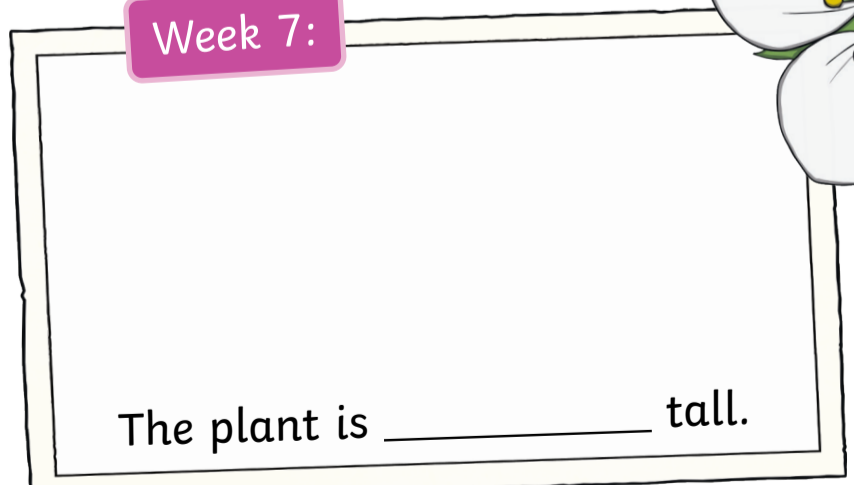
The plant is \_\_\_\_\_ tall.

Week 6:



The plant is \_\_\_\_\_ tall.

Week 7:



The plant is \_\_\_\_\_ tall.



Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.



Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.

Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.

Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.

Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.

Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.

Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.

Week: \_\_\_\_\_

The plant is \_\_\_\_\_ tall.

# LIFE CYCLE OF A BEAN PLANT

The seed is in the ground, waiting for the right **conditions** to grow.

After the seeds have been dispersed, some plants (such as the bean plant) die. Many others don't.

**Seed dispersal** is when the seed moves away from its plant. Seeds can be moved by the wind or by animals eating the fruit and dropping the seed in their poo!

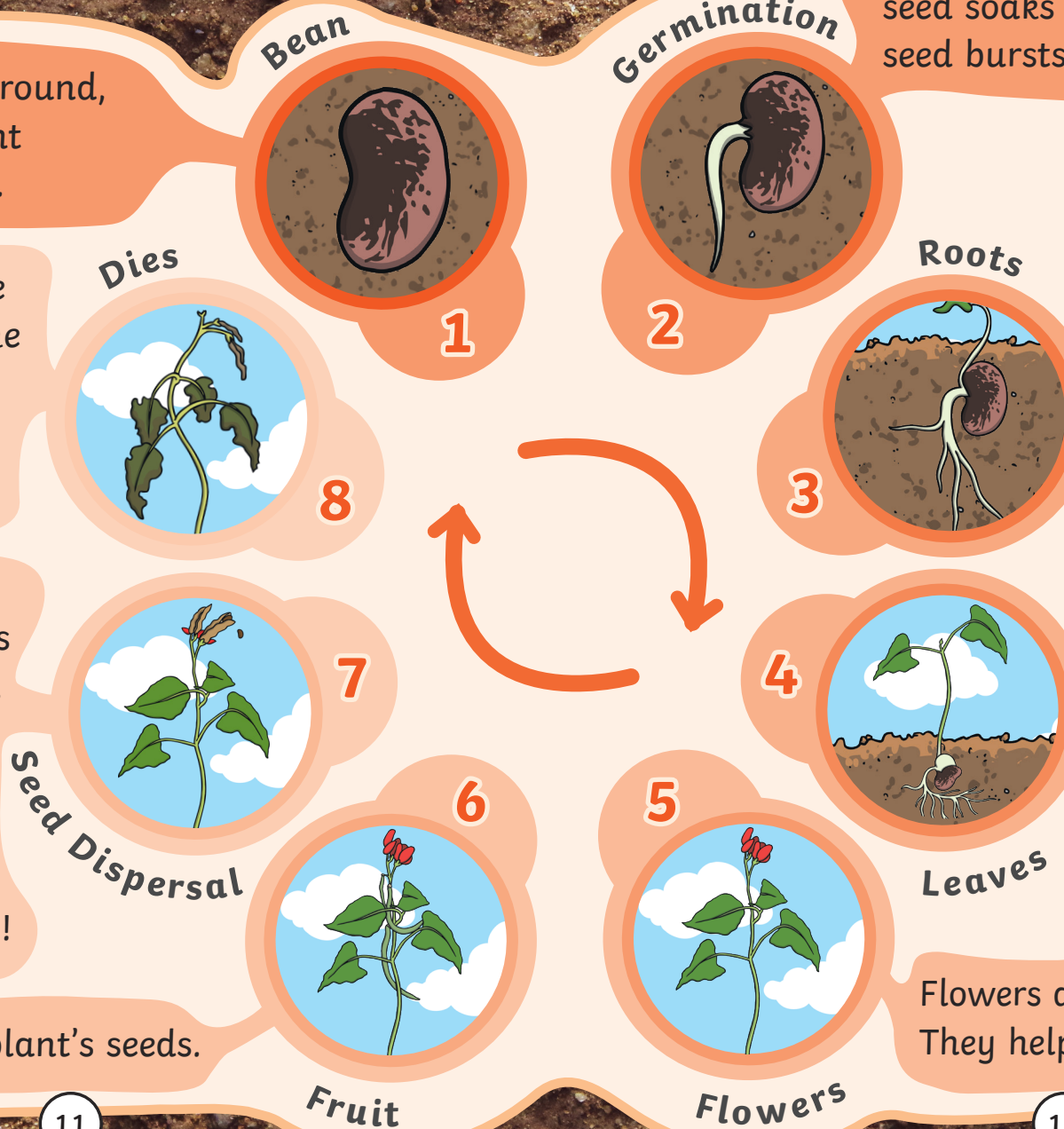
Fruit contains the plant's seeds.

When the **conditions** are right, the seed soaks up water and swells. The seed bursts open as it **germinates**.

The roots start to grow down into the soil. They help to keep the plant in the ground and also take in water and **nutrients**. A tiny shoot grows up from the seed.

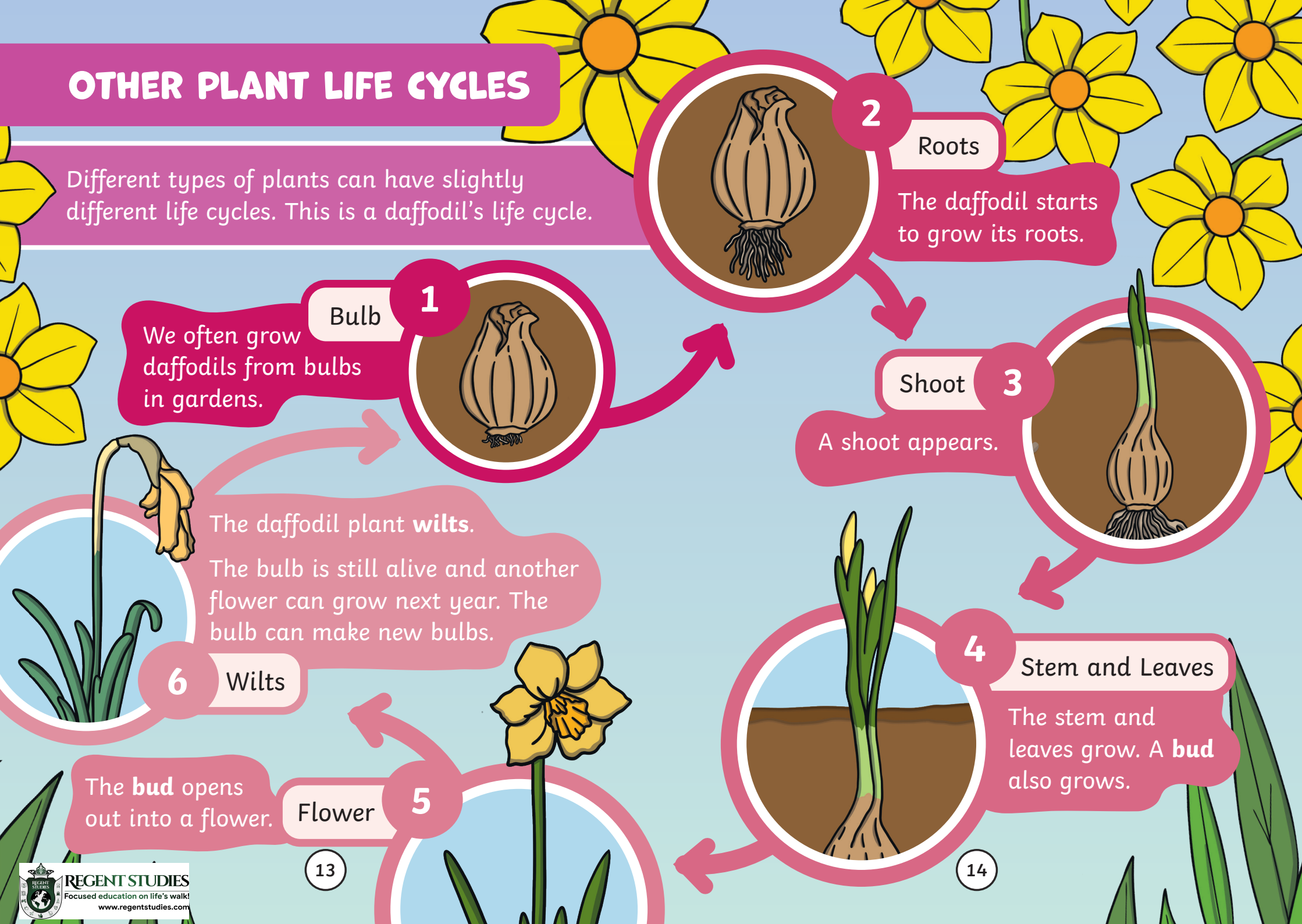
Once the shoot is big enough, leaves grow. The plant can make its own food when it has leaves.

Flowers attract bees and insects. They help the plants to make fruit.



# OTHER PLANT LIFE CYCLES

Different types of plants can have slightly different life cycles. This is a daffodil's life cycle.



Bulb

1

We often grow daffodils from bulbs in gardens.



2

Roots

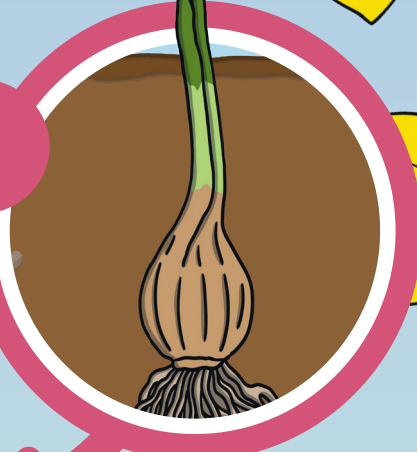
The daffodil starts to grow its roots.



Shoot

3

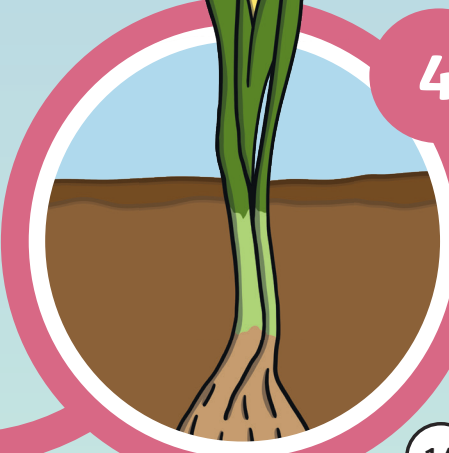
A shoot appears.



4

Stem and Leaves

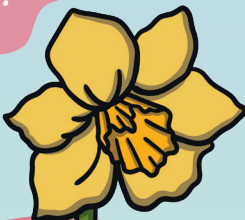
The stem and leaves grow. A bud also grows.



Flower

5

The bud opens out into a flower.

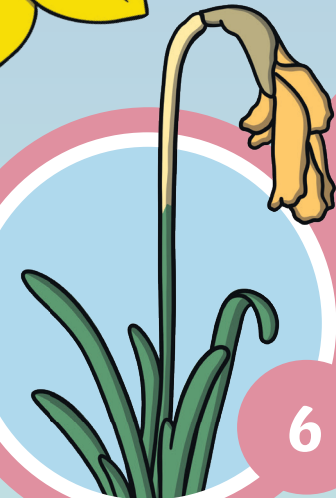


6

Wilts

The daffodil plant wilts.

The bulb is still alive and another flower can grow next year. The bulb can make new bulbs.



13

14



This is an oak tree's life cycle.

Seed



Even a huge oak tree begins as a tiny seed. Oak trees produce fruit called acorns which contain the seeds to grow new oak trees.

2

Seedling



The acorn **germinates** and a **seedling** starts to grow.

3

Sapling



The **seedling** grows bigger and becomes a sapling (a young tree).

5

Seed Dispersal



Animals, such as squirrels, help to disperse the acorns.

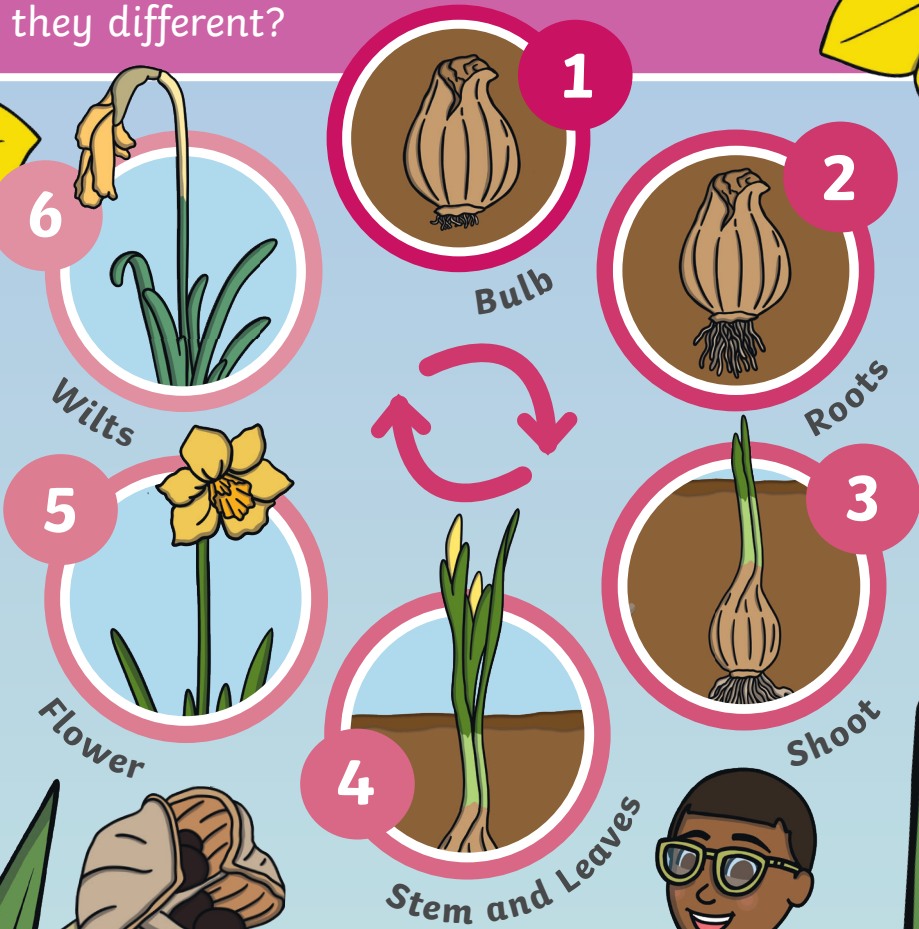
4

Oak Tree



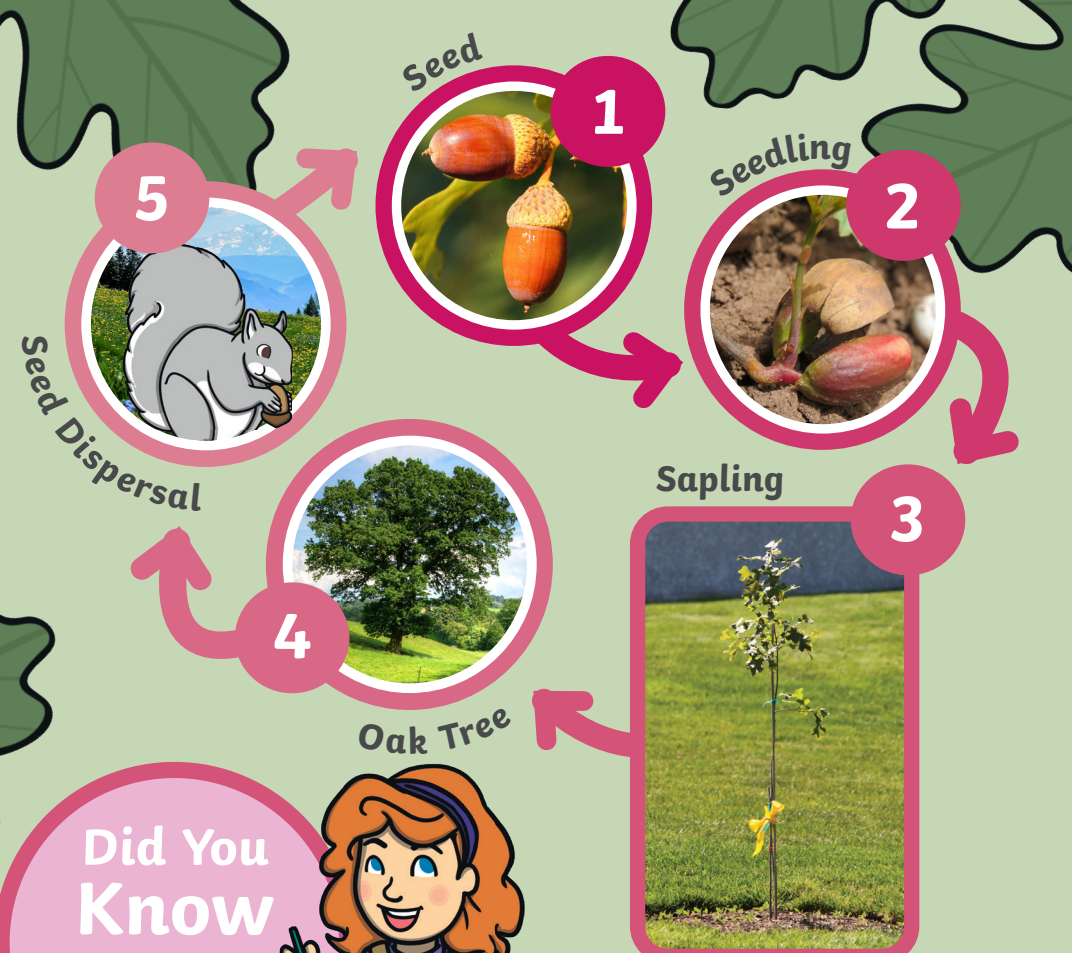
The sapling continues to grow and eventually becomes a fully-grown oak tree. The oak tree produces flowers and then acorns (the fruit).

How are the life cycles of a daffodil and an oak tree similar to one another? How are they different?



As well as making new bulbs from their bulb, daffodils can also make seeds and grow from them.

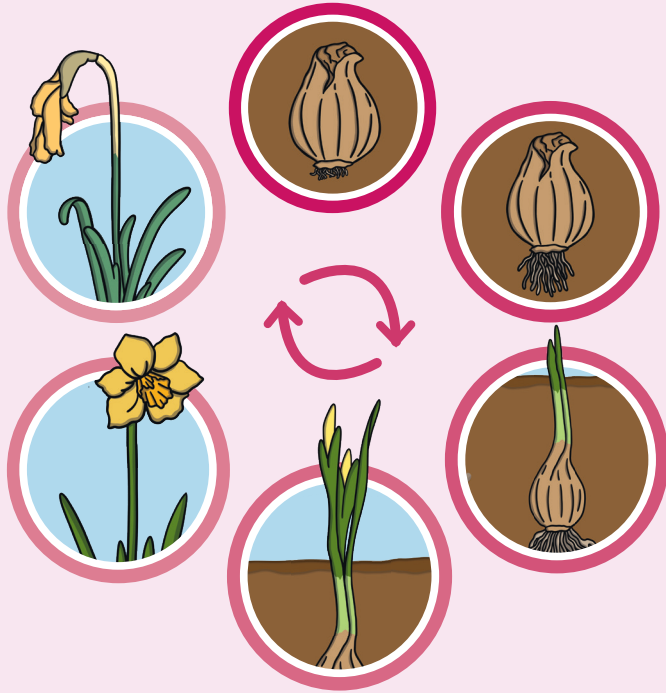
Did You Know ?



Did You Know ?

Oak trees can live for hundreds of years. When a very old oak tree dies, it **decomposes** and becomes a tree stump. Insects help the stump to **decompose** by eating the wood. As the tree **decomposes**, it adds **nutrients** to the soil which helps other trees to grow well.

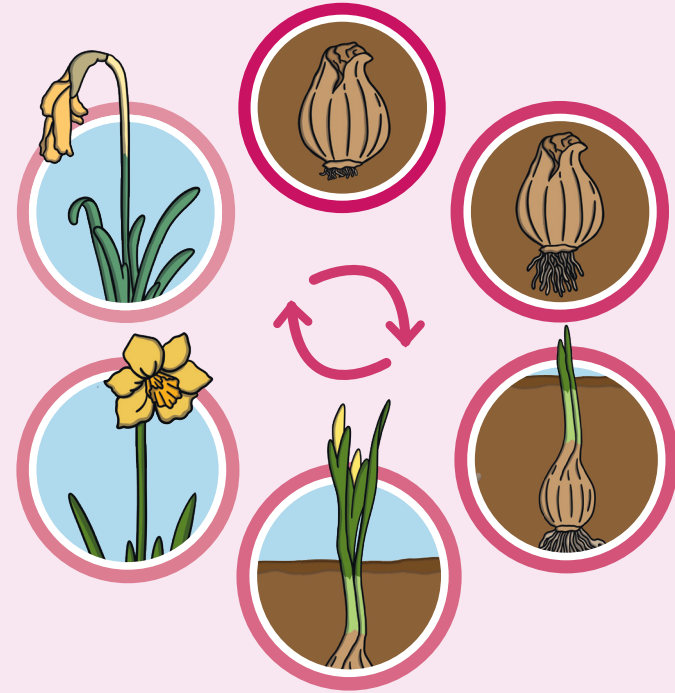




Explain what is happening at each stage in this plant's life cycle.

This life cycle includes a bulb which sprouts through the ground. What is it called when a seed first begins to grow?

Explain how seeds can be **dispersed**.



Explain what is happening at each stage in this plant's life cycle.

This life cycle includes a bulb which sprouts through the ground. What is it called when a seed first begins to grow?

Explain how seeds can be **dispersed**.

## Reasoning Card ③

Explain what is happening at each stage in this plant's life cycle.

**Children name or explain the stages of the life cycle including seed, germination, stem/leaves/flowers/fruit, seed dispersal.**

This life cycle includes a bulb which sprouts through the ground. What is it called when a seed first begins to grow?

**Germination.**

Explain how seeds can be **dispersed**.

**Seeds can be dispersed by the wind, water or animals.**

Aisha has some seeds and she wants to find out what plants need to grow strong and healthy.



Can you explain how Aisha could use her seeds to test what plants need?

Do you think that Aisha should use both types of seeds in her test, or only one type? Explain why.

What do you think Aisha will find out from her test and why?

Aisha has some seeds and she wants to find out what plants need to grow strong and healthy.



Can you explain how Aisha could use her seeds to test what plants need?

Do you think that Aisha should use both types of seeds in her test, or only one type? Explain why.

What do you think Aisha will find out from her test and why?

**Reasoning Card ①**

Can you explain how Aisha could use her seeds to test what plants need?

**Aisha could plant some seeds in the dark, some without water, some without soil and some with soil, water and light. She could then see which plant grows best.**

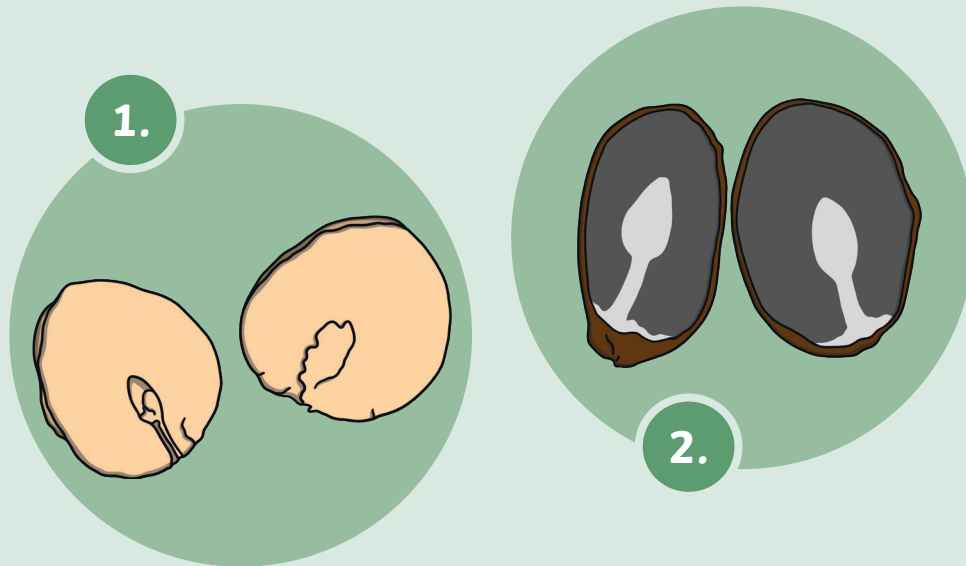
Do you think that Aisha should use both types of seeds in her test, or only one type? Explain why.

**Aisha should only use one type of seed, because different seeds need different amounts of water or warmth and grow more quickly or slowly.**

What do you think Aisha will find out from her test and why?

**I think she will find out that seeds need water, light and the right temperature to grow into strong and healthy plants because that is what I think all plants need to grow well.**

Look inside these two different types of seeds, which have been cut open.

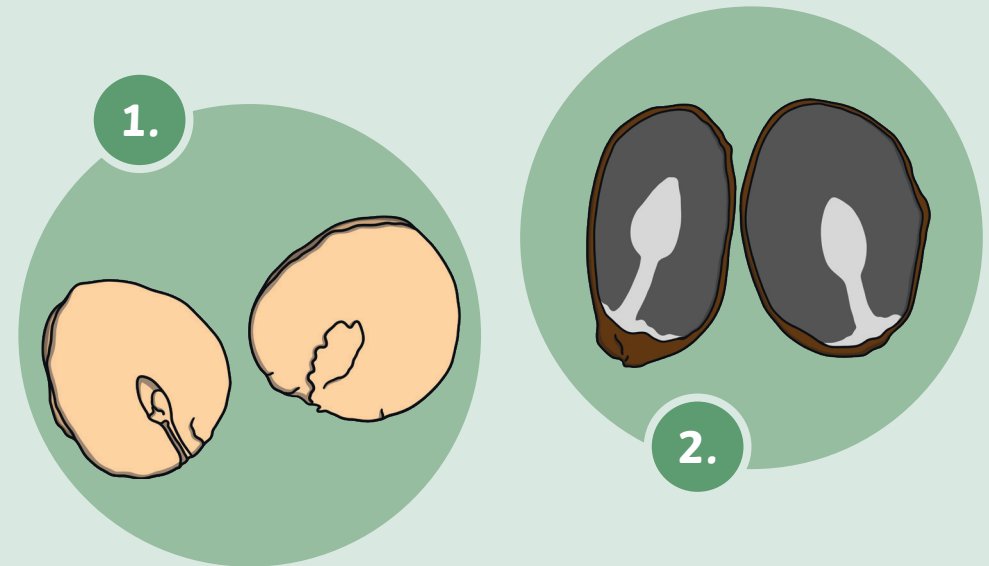


Can you explain what is inside a seed?

Explain how a seed will begin to grow into a plant.

Compare the seeds. How are they similar?  
How are they different?

Look inside these two different types of seeds, which have been cut open.



Can you explain what is inside a seed?

Explain how a seed will begin to grow into a plant.

Compare the seeds. How are they similar?  
How are they different?

## Reasoning Card ②

Can you explain what is inside a seed?

**A seed has the baby plant inside and also a store of food to help it to grow.**

Explain how a seed will begin to grow into a plant.

**When the seed has water, it bursts open and the baby plant begins to grow into a shoot. This is called germination.**

Compare the seeds. How are they similar? How are they different?

**The seeds have the same type of parts inside them, but they are different sizes, shapes and colours.**



# PLANTS

Have you ever stopped and looked at how many plants there are in the world around you?



Even in places you might think there aren't any plants, some can still grow.



1



In fact, plants grow in nearly every habitat on Earth!



In this book, we will learn more about how plants grow, what they need to grow well and where in the world different plants grow best.

2

# LIVING THINGS

Did you know that you and a plant are similar in lots of ways? Let's learn about the things that all living things have in common.

## Growth

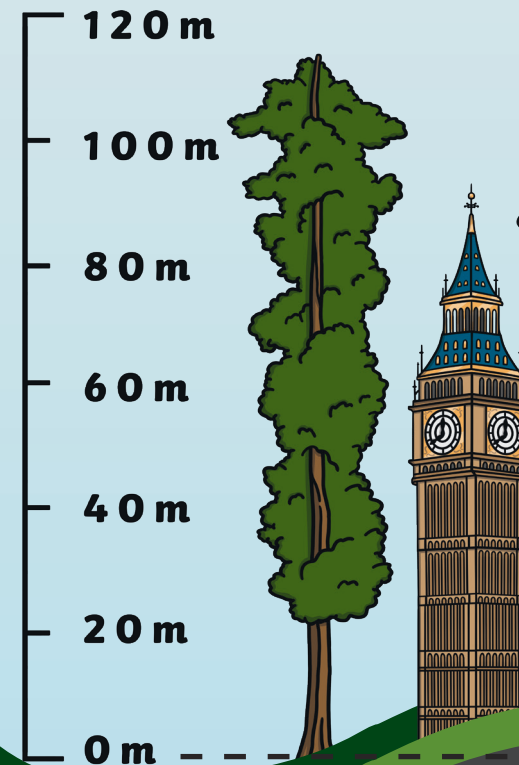
All living things grow. Think how much you have grown since you were a baby! Plants grow too. They can grow new leaves, grow taller and some can grow flowers and fruit. Some grow to be very small and some grow to be huge!



## Did You Know ?

The tallest plant in the world is a coast redwood tree in Redwood National Park in California, USA.

Scientists measured it by climbing to the top of it and dropping a very long tape measure to the ground.



It measures over 116 metres tall - that's taller than Big Ben's tower!


## Movement

What? Plants move?

Yes, they do! Sunflowers move their flowers so that they face the sun.



Sunflower



A Venus flytrap closes its trap when a fly lands in it.



Venus flytrap



Mimosa Pudica

When the touch-me-not plant (its proper name is *Mimosa pudica*) is touched, its leaves curl and droop.

## Nutrition

**Nutrition** is what all living things need to grow and stay healthy.

Animals (including humans) get their **nutrition** from eating food.

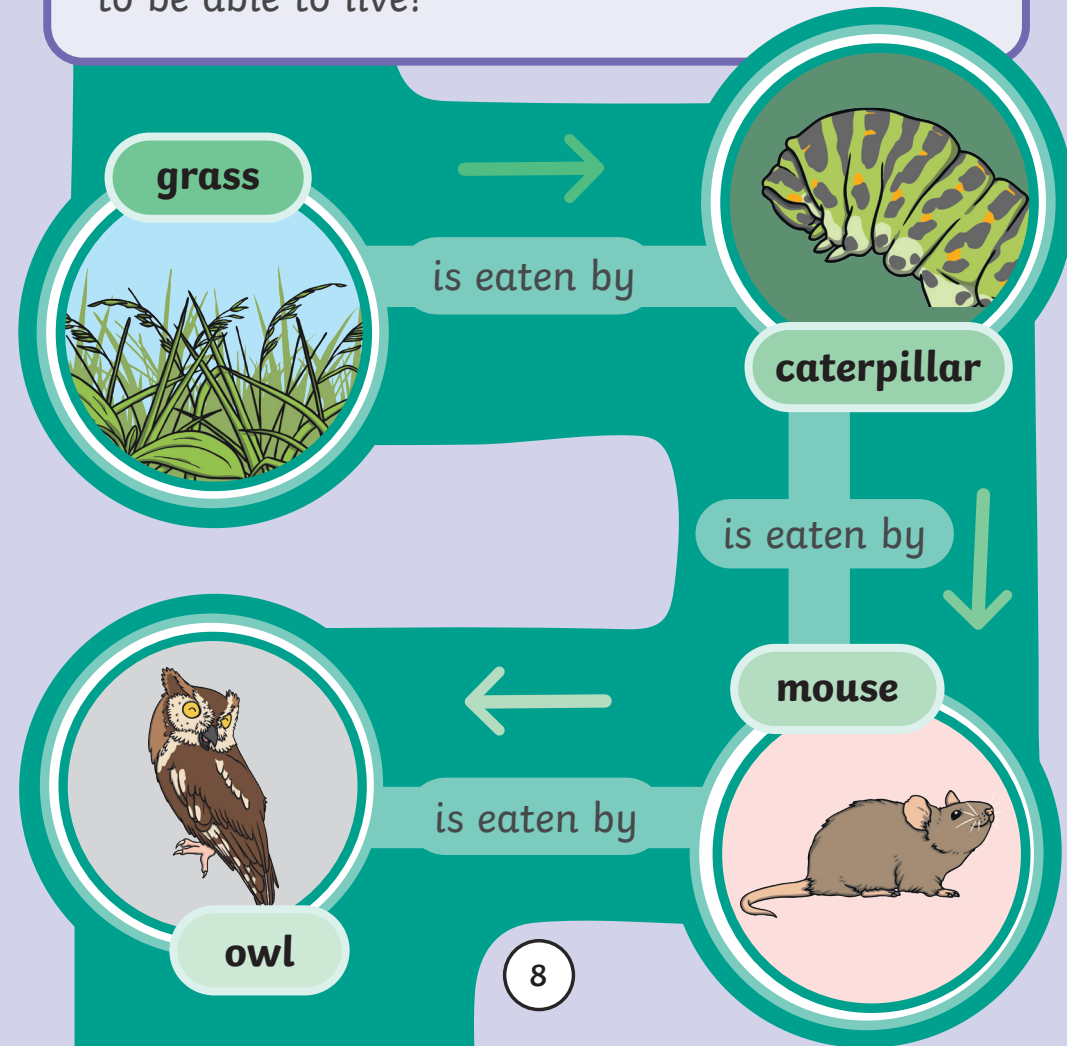
Plants don't need to eat food like we do because they make their own food. Their leaves catch sunlight to help to do this.

Plants can also get some **nutrients** from soil.

7

Many living things depend on plants to survive.

A food chain shows us how animals get the **nutrition** they need. Many food chains start with a green plant, which shows us that even carnivores (meat-eating animals) need plants to be able to live!



8

## Waste Removal

Your body makes **waste** after it has used your food and drink to help you to grow and stay strong. How does your body remove the **waste** it doesn't need?

Toilets



We call **waste** removal 'excretion'.

Plants need to remove their **waste** too! But plants don't eat food, so they don't **produce** the same type of **waste** that we do.

gases  
removed

Instead, plants remove **gases** they don't need. They do this from their leaves.



9

## Reproduction

**Reproduce** means to make more of something. Humans and other animals can **reproduce** by having babies.

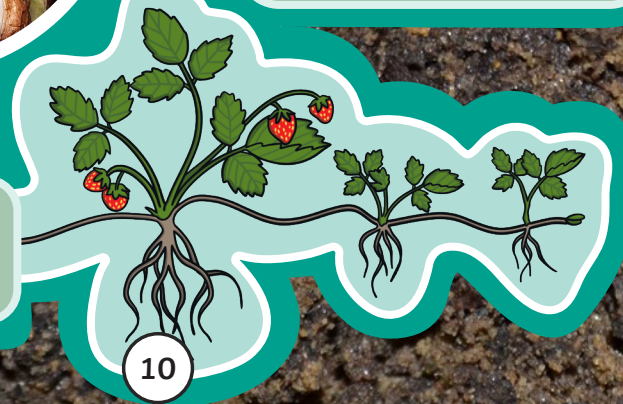
Plants **reproduce** too. Seeds, bulbs and runners are used by different plants to help them to **reproduce**.

daffodil bulbs



dandelion seeds

strawberry  
runners



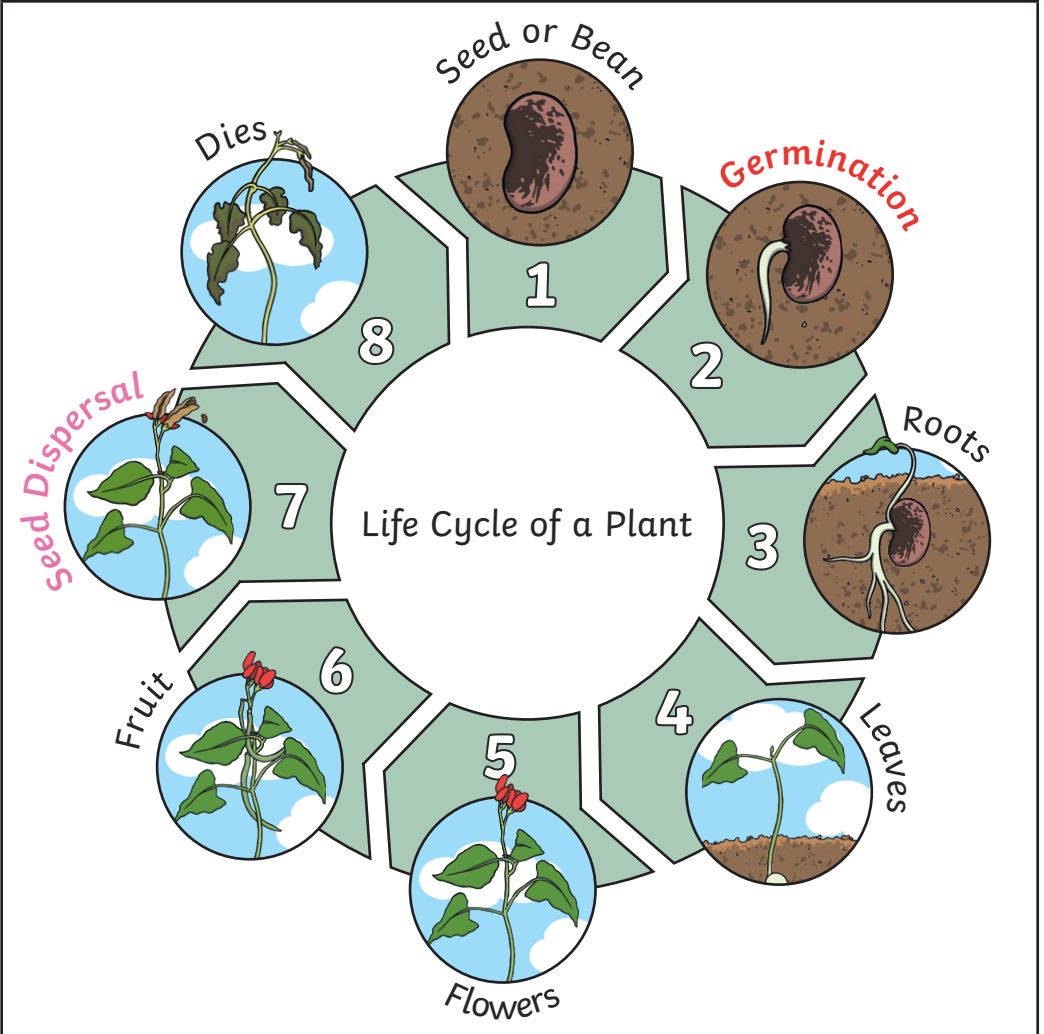
10

**Key Vocabulary**

<b>germination</b>	When the conditions are right, the seed soaks up <b>water</b> and swells, and the tiny new plant bursts out of its shell. This is called <b>germination</b> .
<b>shoot</b>	A <b>shoot</b> grows upwards from the seed or plant to find <b>sunlight</b> .
<b>seed dispersal</b>	<b>Seed dispersal</b> is when the seeds move away from the parent plant. They can drop to the ground in the plant's fruit or be moved by the wind or animals.



**Key Knowledge**



Key Vocabulary

What do plants need to grow well?

**sunlight**

All plants need light from the sun to grow well. Some plants need lots of **sunlight**. Some plants only need a little **sunlight**.

**water**

All plants need **water** to grow. Without **water**, seeds and bulbs will not **germinate**.

**temperature**

**Temperature** is how warm or cold something or somewhere is. Some plants like cooler **temperatures** and some like warmer **temperatures**.

**nutrition**

Food or nourishment. Plants make their own food in their leaves using **sunlight**.



Key Knowledge

