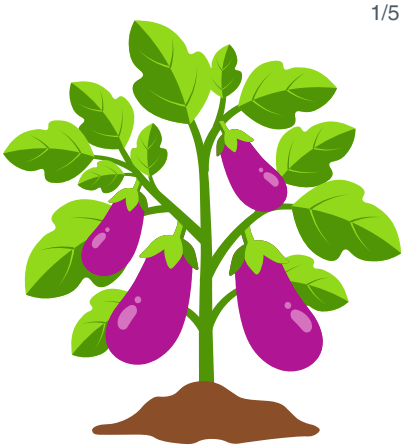
PARTS OF A PLANT & THEIR FUNCTIONS

Discover how each part helps a plant live • Ages6–9



Plants Have Jobs to Do!



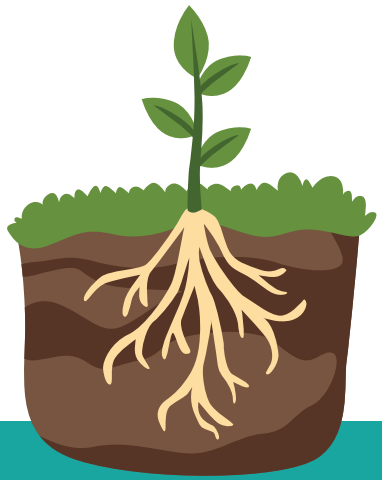
1. Main parts of a plant

ROOTS	Hold the plant in the soil and absorb water and minerals.
STEM	Supports the plant and carries water to other parts.
LEAVES	Use sunlight, air and water to make food for the plant.
FLOWER	Helps the plant make seeds. Many flowers attract pollinators.
FRUIT	Protects seeds in many plants.
SEEDS	Can grow into new plants when conditions are right.

Quick check

Which plant part takes in water from the soil?

_____





2. Conditions necessary for plant growth

SUNLIGHT	Plants use light to make their food.
WATER	Water helps plants stay healthy and carry nutrients.
AIR	Plants use gases from the air to live and grow.
NUTRIENTS	Help plants build healthy roots, stems and leaves.
SPACE	Room lets roots spread and leaves receive light.
SUITABLE TEMPERATURE	Warmth or coolness must suit the type of plant.

Think about it

What might happen to a plant kept in a dark place with no water?



3. How to plant a crop

1. PREPARE	Clear the planting area and loosen the soil.
2. PLANT	Place seeds or seedlings at the correct depth and spacing.
3. COVER	Cover seeds gently with soil, if needed.
4. WATER	Water gently so the soil is moist, not flooded.
5. LABEL	Label the crop so you know what is growing.

4. Caring for crops

- Water plants when needed. Avoid waterlogged soil.
- Remove weeds so crops have space and nutrients.
- Check leaves and stems for pests or disease.
- Provide suitable sunlight and support if needed.
- Handle plants gently and keep the garden tidy.

Garden safety: use tools with adult guidance and wash hands after gardening.

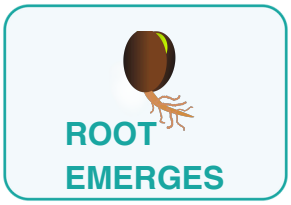


5. What is germination?

Germination is when a seed begins to grow. With enough water, air and suitable warmth, the seed starts to sprout.



Absorbs water and begins to change.



A tiny root grows down into the soil.



A shoot grows upward toward light.



Leaves develop and the young plant starts making food.

6. What helps a seed germinate?

- Water – softens the seed and starts growth.
- Air – seeds need oxygen.
- Suitable warmth – helps the seed begin growing.

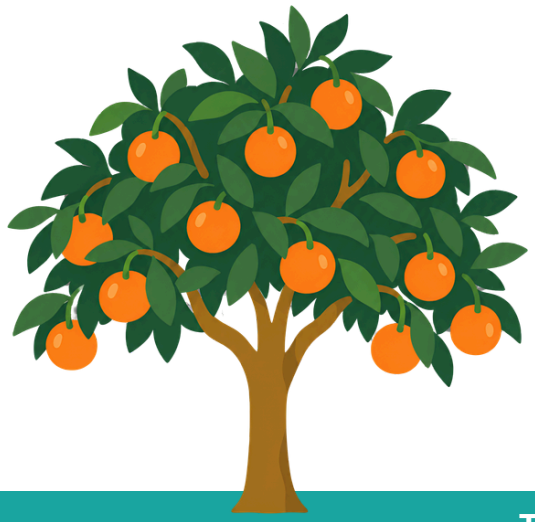
Put the stages in order

_____ A young seedling grows leaves.

_____ The seed begins to sprout.

_____ A tiny root emerges.

_____ The seed absorbs water.





PLANT GROWTH: PRACTICE TIME!

Showwhatyoulearned • Ages6–9

A. Choose the correct answer

1. Which part absorbs water from soil?

a) Roots b) Flower c) Fruit

2. Which part carries water through a plant?

a) Seed b) Stem c) Petal

3. Plants use sunlight to…

a) make food b) make toys c) sleep

4. Germination is…

a) a seed beginning to grow b) picking fruit c) removing weeds

5. What helps a seed germinate?

a) water, air and suitable warmth b) paint c) stones

B. Fill in the blanks

6. The _____ supports the plant and carries water.

7. Plants need water, air, sunlight, space and _____.

8. A young plant is called a _____.

9. We remove _____ so crops have room to grow.



C. True or False?

10. Seeds need suitable conditions to germinate. _____

11. Roots help hold plants in soil. _____

12. Plants should be flooded every day. _____

D. Short answers

13. Name two things plants need to grow: _____

