

Plants and Their Parts

Science · Class 2 · Topic-wise Practice Worksheet

TIME 35 minutes	QUESTIONS 15	TOTAL MARKS 18	MAX. SCORE ____ / 18
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Name: _____ Class/Sec: _____ Date: _____

INSTRUCTIONS

- There are **15 questions**. Answer all of them.
- Each question has four choices — (A), (B), (C) and (D). Only **one** is correct.
- Questions 1–12 carry **1 mark** each. Questions 13–15 carry **2 marks** each.
- There is no negative marking. Look at every picture and table carefully.

Section A — Kinds of Plants

Q1–Q8 · 1 mark each

1. Which of these is a **shrub**?

- | | |
|----------------|-----------------|
| (A) Rose plant | (B) Mango tree |
| (C) Grass | (D) Money plant |

2. A pumpkin plant spreads along the ground. Such a plant is called a _____.

- | | |
|-------------|-------------|
| (A) Climber | (B) Creeper |
| (C) Tree | (D) Herb |

3. Which part of the plant makes food?

- | | |
|------------|----------|
| (A) Root | (B) Stem |
| (C) Flower | (D) Leaf |

4. Green plants make their food using _____.

- | | |
|-----------------------------|---------------|
| (A) Sunlight, air and water | (B) Soil only |
| (C) Milk | (D) Moonlight |

5. Which of these grows into a new plant?

- | | |
|-----------|----------|
| (A) Petal | (B) Seed |
| (C) Thorn | (D) Bark |

6. Which part of a plant becomes a fruit?

- | | |
|------------|----------|
| (A) Root | (B) Leaf |
| (C) Flower | (D) Stem |

7. We eat the _____ of a sugarcane plant.

- | | |
|------------|----------|
| (A) Root | (B) Leaf |
| (C) Flower | (D) Stem |

8. Which of these plants gives us cotton for our clothes?

- (A) Cotton plant (B) Neem tree
(C) Rose plant (D) Grass

Section B — Plants Are Useful

Q9–Q12 · 1 mark each

9. In the table below, which row is **wrongly** matched?

Row	We eat	Part of the plant
(A)	Carrot	Root
(B)	Cauliflower	Flower
(C)	Apple	Root
(D)	Spinach	Leaf

Table 9.1

- (A) Row (A)
- (B) Row (B)
- (C) Row (C)
- (D) Row (D)

10. Which of these do we get from trees?

- (A) Iron (B) Wood and paper
(C) Glass (D) Plastic

11. Why do plants need roots?

- (A) To make the plant look pretty (B) To make seeds
(C) To hold the plant firmly and take in water from the soil (D) To catch sunlight

12. Which of these seeds is carried away by the **wind**?

- (A) A heavy coconut
- (B) A jackfruit seed
- (C) A mango seed
- (D) A light seed with fluffy hairs

Achievers Section

Q13–Q15 · 2 marks each

13. Two identical plants are kept in the same sunny window. Plant X is watered every day and plant Y is not watered at all. After ten days, plant Y has dried up. What does this show?

- (A) Plants need water to stay alive
- (B) Plants do not need sunlight
- (C) Plants need soil only
- (D) Plants grow better without water

14. Which of these correctly matches a plant part with its job?

- (A) Leaf — takes in water from the soil
- (B) Stem — carries water and holds up the plant
- (C) Root — makes food
- (D) Flower — holds the plant in the ground

15. A seed is planted in a pot and kept in a dark cupboard with water and warmth. After a week it has sprouted. Why could it grow without any sunlight?

- (A) Because seeds do not need anything to grow
- (B) Because the cupboard was warm
- (C) Because the seed used the food already stored inside it
- (D) Because water gives light

Answer Key

1	A	2	B	3	D	4	A	5	B
6	C	7	D	8	A	9	C	10	B
11	C	12	D	13	A	14	B	15	C

Solutions

1. Answer: (A) Rose plant

A shrub is a medium-sized plant with many woody branches starting near the ground. A **rose plant** is a shrub.

2. Answer: (B) Creeper

A **creeper** has a weak stem that cannot stand up, so it creeps along the ground. Pumpkin and watermelon plants are creepers.

3. Answer: (D) Leaf

The **leaf** makes food using sunlight, air and water. This is why leaves are broad and flat — to catch as much sunlight as possible.

4. Answer: (A) Sunlight, air and water

Leaves use **sunlight, air and water** to make food. The green colouring in the leaf traps the sunlight.

5. Answer: (B) Seed

A **seed** holds a tiny baby plant and some stored food. When it gets water, air and warmth it sprouts into a new plant.

6. Answer: (C) Flower

After a **flower** is pollinated, part of it swells and ripens into a fruit that holds the seeds.

7. Answer: (D) Stem

Sugarcane is the thick, juicy **stem** of the plant, and it stores sweet juice.

8. Answer: (A) Cotton plant

The **cotton plant** makes soft white fibres around its seeds. These are spun into thread and woven into cloth.

9. Answer: (C) Row (C)

An apple is a **fruit**, not a root — it grows on the branches of the apple tree. Carrot (root), cauliflower (flower) and spinach (leaf) are all matched correctly.

10. Answer: (B) Wood and paper

Trees give us **wood and paper**, and also fruits, medicines, rubber and shade. Iron, glass and plastic are not made from trees.

11. Answer: (C) To hold the plant firmly and take in water from the soil

Roots do two jobs — they **hold the plant firmly in the ground and take in water** and minerals from the soil.

12. Answer: (D) A light seed with fluffy hairs

A **light seed with fluffy hairs**, such as a dandelion seed, is easily lifted and blown far away by the wind. Heavy seeds like coconut and mango cannot be carried by wind.

13. Answer: (A) Plants need water to stay alive

The only difference between the two plants was the water, so the water must have caused the difference. This shows that **plants need water to stay alive**.

14. Answer: (B) Stem — carries water and holds up the plant

The **stem carries water and holds up the plant**. Roots take in water, leaves make food and flowers become fruits, so the other three are matched wrongly.

15. Answer: (C) Because the seed used the food already stored inside it

Every seed carries a store of food for the baby plant. At first the sprout lives on this store, so it does not need sunlight. It will only need sunlight later, once the green leaves must start making food.