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Plant parts and their functions for Grade 3

Practice worksheet - Science · Grade 3

Name: _____ Date: _____

Show your working. Answers and explanations follow on a separate page.

Try each task before opening its answer. Give an example or reason, not only a label.

Write an answer and your reason before opening the explanation. Check the reasoning as well as the final answer.

1. Which part usually anchors a plant?

2. Which part connects roots with leaves?

3. Which parts usually do most food-making in a bean plant?

4. Name two things roots absorb.

5. What is a main function of flowers?

6. Give one job of a fruit.

7. What can a seed that is able to grow develop into?

8. Does every plant group make flowers?

Practice continued

9. Why might a young plant have no fruit?

10. Repair: Soil is the food that roots eat.

11. Which familiar vegetable is a storage root: carrot or pea pod?

12. Put in order: leaves, roots, stem for incoming soil water.

13. How can you study roots without damaging a potted plant?

14. Why should plant diagrams show connections as well as labels?

Answers and explanations

Answer key - Science · Grade 3

Plant parts and their functions for Grade 3

1. Roots.
They help hold it in the growing medium.
2. The stem.
It supports and contains transport tissues.
3. Green leaves.
They use light, water and carbon dioxide.
4. Water and mineral nutrients.
These support plant functions but are not a ready-made sugar meal.
5. Reproduction in flowering plants.
Flowers are involved in producing seeds.
6. Protecting seeds or helping their dispersal.
Different fruits do this in different ways.
7. A new plant under suitable conditions.
Viability and conditions both matter.
8. No.
This guide models a typical flowering plant.
9. It has not reached that reproductive stage.
Parts vary over the life cycle.
10. Roots absorb water and minerals; green parts make sugars.
Separate resources from food-making.
11. Carrot.
A pea pod is a fruit containing seeds.
12. Roots → stem → leaves.
This is a simplified transport route.
13. Use a labelled picture or an already prepared safe seedling model.
Do not uproot a plant merely to complete the task.
14. The parts work together.
Connections help explain movement of substances and support.