

Plant Parts at Work

Read how plant structures help plants survive.

2.13.A “identify the roots, stems, leaves, flowers, fruits, and seeds of plants and compare how those structures help different plants meet their basic needs for survival;”

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline each plant part named in the passage. Number the sentences that tell how a plant part helps a plant survive.

Parts for Living

- ① Plants have parts that help them live. Roots hold a plant in soil and take in water. Stems hold leaves up toward light and move water through the plant. Leaves use sunlight, air, and water to make food.
- ② A bean plant grows flowers. Flowers can make fruits called pods. Inside each pod are seeds that can grow into new bean plants. The pod covers the seeds, and the flower helps the plant make them.
- ③ A cactus and a water lily both need water, light, air, and space. A cactus has wide, shallow roots that quickly take in rain. A water lily has long stems that lift leaves to sunlight at the pond's surface.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 How do cactus roots and water lily stems help the plants meet their needs?

2 How do a bean plant's flower, pod, and seeds work together?

3 What three things do leaves use to make food?

3 YOUR TURN _____ Your own words

Choose two plants not named in the passage. Write two sentences that compare how the same kind of plant part helps each plant survive.

PART 1 • READ AND MARK

Underline each plant part named in the passage. Number the sentences that tell how a plant part helps a plant survive. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	How do cactus roots and water lily stems help the plants meet their needs?	Cactus roots quickly take in rainwater. Water lily stems lift leaves to sunlight.
2	How do a bean plant's flower, pod, and seeds work together?	The flower helps make pods. Pods cover seeds, and seeds can grow into new bean plants.
3	What three things do leaves use to make food?	Sunlight, air, and water.

PART 3 • YOUR TURN (SAMPLE ANSWER)

A sunflower has broad leaves that catch sunlight to make food. A pine tree has needle leaves that make food and lose less water.

Accept answers that correctly name a plant structure and explain how it helps meet a need, such as getting water, making food, getting light, protecting seeds, or growing new plants. For Your Turn, accept any accurate comparison using the same type of structure in two plants not named in the passage.