Garden Survival Clues

Use evidence to make claims about living things and their resources.

3.10 "Make a claim from evidence that an organism's likelihood of survival depends upon access to sufficient resources in its habitat, including sunlight, air, water, food, and shelter."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline the resources named in the passage, and circle two details that show what happens when a living thing has too little of a resource.

Life in the Bean Garden

1. At the edge of a school garden, two bean plants grow in different places. One grows in a sunny bed. The other grows beside a tall wall that blocks much of the sunlight. Both plants get air and water. After three weeks, the sunny plant has many green leaves. The plant by the wall has only a few small leaves. Bean plants use sunlight to make their own food.

2. A third bean plant grows in the sunny bed, but the soil around it stays dry. Its leaves hang down, even though it gets plenty of sunlight and air. When the gardener waters this plant, its leaves stand up again. The gardener knows that sunlight alone is not enough. A bean plant also needs water to stay alive and keep growing.

3. Bean leaf beetles live among the plants. They eat bean leaves and hide under them when birds fly overhead. One beetle wanders to an empty patch with no plants. There are no leaves for it to eat or hide beneath. Birds still visit the patch. The beetle may have a harder time surviving there because it has less food and shelter.

2 ANSWER WITH EVIDENCE

Use the passage

1. Which of the first two bean plants is more likely to survive and keep growing? Give two details from the passage as evidence.

2. Is the third bean plant likely to survive if its soil stays dry? Use evidence from the passage.

3. Where is a bean leaf beetle more likely to find enough food, among the bean plants or in the empty patch? Use evidence from the passage.

4. How does being in the empty patch affect a beetle's chance of surviving when birds visit? Use evidence about shelter.

3 YOUR TURN

Your own words

Invent an animal living in a habitat different from this garden. In three sentences, make a claim about how too little of one resource affects its chance of survival, and give two facts from your invented situation as evidence.

ANSWER KEY

Garden Survival Clues

GRADE 3 · 3.10

PART 1 · READ AND MARK

Underline the resources named in the passage, and circle two details that show what happens when a living thing has too little of a resource. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	Which of the first two bean plants is more likely to survive and keep growing? Give two details from the passage as evidence.	**The plant in the sunny bed is more likely to survive and keep growing. It gets more sunlight and has many green leaves, while the plant by the wall has only a few small leaves.**
2	Is the third bean plant likely to survive if its soil stays dry? Use evidence from the passage.	**It is less likely to survive. Its leaves hang down when the soil is dry, and they stand up after the gardener waters it.**
3	Where is a bean leaf beetle more likely to find enough food, among the bean plants or in the empty patch? Use evidence from the passage.	**It is more likely to find enough food among the bean plants because it eats bean leaves, and the empty patch has no leaves.**
4	How does being in the empty patch affect a beetle's chance of surviving when birds visit? Use evidence about shelter.	**The beetle is less likely to survive there because it has no leaves to hide under when birds visit.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

A squirrel in a park is less likely to survive winter because it has too little food. Its stored nuts were eaten by other animals. Few trees in the park have nuts this year.

Accept claims about likelihood, not certainty, when they are supported by the passage. For Part 3, accept a different habitat, a needed resource, and two plausible facts that support the claim.