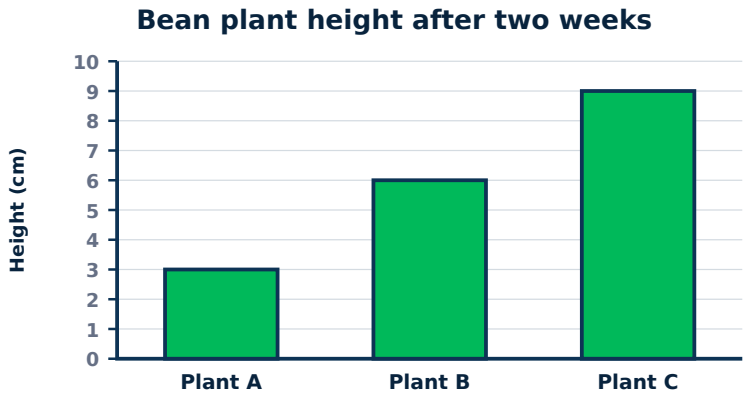
# Environment and Traits

Grade 3 Science Worksheet

Name _____ Date _____

Circle the answer.

1. Plant A got 1 hour of sun a day, plant B got 3 hours, and plant C got 6 hours. Use the graph. How much taller is plant C than plant A?




6 cm 12 cm 9 cm 3 cm

2. Puppies in a litter have the same fur pattern, but one is heavier because it eats more. Which trait was most affected by the environment?

the puppy's eye color the puppy's weight the puppy's ear shape the puppy's fur pattern

3. Two kittens from one litter have the same eye color. One is calm around people because it was handled gently every day. Which trait was shaped by its environment?

its eye color

its whisker length

how calm it is around people

its fur pattern

4. Radishes in full sun grew larger than the same kind of radishes in shade. Which trait did sunlight affect?

the shape of the leaves the color of the skin the size of the radishes the kind of seed

5. Which trait of a dog is most affected by its environment?

the shape of its ears the color of its eyes how heavy it is the pattern of its spots

6. A plant on a windy hill has thick, short stems. The same kind of plant in a calm garden has tall, thin stems. What caused the difference?

the size of the seeds  the plants' parents  the age of the plants

the wind on the hill

7. Seedlings crowded in a small pot grow more slowly than the same seedlings given more space. What most likely slowed their growth?

too much sunlight on the leaves

seeds planted too close to the top

too little space for their roots

slower growth inherited from parents

8. Fish of the same kind grow smaller in a crowded pond than in a pond with more space and food. What most likely caused the smaller size?

less food and space for each fish

colder water in the big pond

hatching later in the year

parents that were small fish

9. Two tomato plants grow from the same kind of seed with the same sun and water. Only one gets fertilizer, and it grows bigger. What caused the size difference?

the plants being different ages

seeds from different parent plants

the small plant getting more shade

the fertilizer added to the soil

10. A plant in a hot, sunny spot needs water more often than the same kind of plant in a cool, shady spot. Why?

the sunny plant inherited a need for more water

heat and sunlight dry the soil faster

the shady plant is a different kind

the shady plant has bigger roots from birth

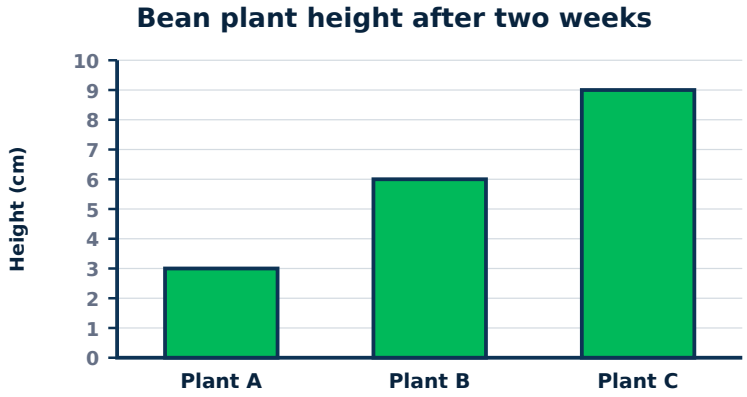
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Answer Key - Grade 3 Science Worksheet

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