Climate and Weather Hazards

Grade 3 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. Wildfires are likely in a dry, windy summer. Which design helps protect a town at the edge of a forest?
   wooden fences joining the houses
   a row of dry bushes near the houses
   a wide strip cleared of dry brush
   a pile of firewood by each door

2. Engineers want to compare two flood barriers. Which test is fair?
   test one in a pool and one in a river
   test one with more water than the other
   test both with the same amount of water
   test one indoors and one outdoors

3. Weather records show that heavy rain in this town comes mostly in April. When should the town clean its storm drains?
   in March, before the rainy month
   in July, when it is driest
   in April, during the storms
   in May, after the rains

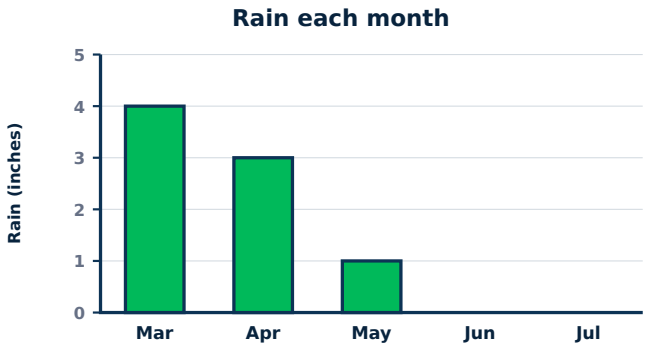
4. A town floods when the river rises above 12 feet. The highest flood on record reached 14 feet. Which levee would protect the town?
   a 10-foot levee a 13-foot levee a 12-foot levee a 15-foot levee

5. Town A has about 3 tornadoes a year. Town B has about 1 every 20 years. Which town most needs storm shelters in every school?
   Town A, because tornadoes happen there often
   Town B, because it had one long ago
   both the same, because tornadoes are rare
   Town B, because tornadoes surprise people

6. A sea wall protects a beach town from storm waves. What is one drawback of the sea wall?
   it costs a lot and can wash away beach sand
   it lets storm waves flood the town
   it pulls lightning to the beach
   it makes heat waves worse

7. Which evidence would show that a new levee works?
   the river stayed at 5 feet all year
   it rained very little that spring
   the river rose to 14 feet and the town stayed dry
   the levee was painted to last

8. A farm pond needs at least 2 inches of rain each month to stay full. Use the graph. In which months did the farm need stored water?



all five months March and April May, June and July June and July only

9. Drip pipes give water straight to roots. Sprinklers spray water into the air, where some dries up. Which is better in a drought, and why?
sprinklers, because spraying cools the air
sprinklers, because they cover more ground
drip pipes, because they use more water
drip pipes, because less water is lost

10. Engineers test two roofs in a wind machine. Roof A blows off at 60 mph. Roof B stays on at 130 mph. Which is the better choice for a hurricane area?
Roof A
Roof A, because it is lighter
they are equally good
Roof B

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Answer Key - Grade 3 Science Worksheet - Challenge Me

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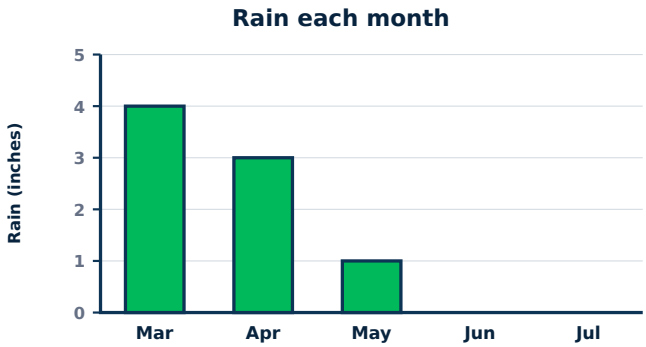
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