Climate and Weather Hazards

Grade 3 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. 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 one indoors and one outdoors
   test both with the same amount of water

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

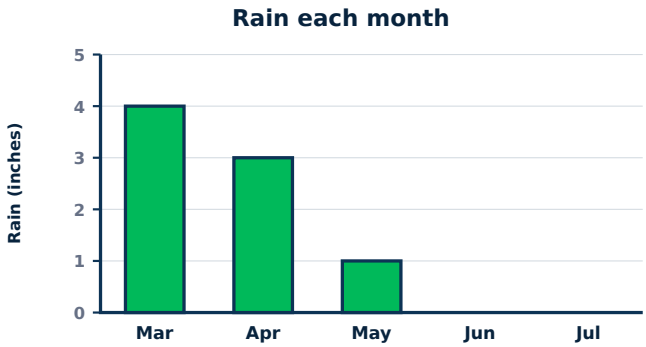
3. A town floods when the river rises above 12 feet. The highest flood on record reached 14 feet. Which levee would protect the town?
   a 13-foot levee a 12-foot levee a 15-foot levee a 10-foot levee

4. 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 B, because it had one long ago
   both the same, because tornadoes are rare
   Town B, because tornadoes surprise people
   Town A, because tornadoes happen there often

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

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

7. 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 June and July only May, June and July

8. 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?

drip pipes, because less water is lost
sprinklers, because spraying cools the air
sprinklers, because they cover more ground
drip pipes, because they use more water

9. 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, because it is lighter
Roof B
Roof A
they are equally good

10. A city plants shade trees and paints roofs a light color. Which hazard is this plan meant to reduce?

river flooding lightning strikes extreme heat in summer heavy snow

Scan to get this marked free. No screen time for your child.
Print it · do it in pencil · scan it · PencilGo picks the next sheet.

Climate and Weather Hazards

Answer Key - Grade 3 Science Worksheet - Challenge Me

Circle the answer.

1. 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 one indoors and one outdoors

   test both with the same amount of water

2. Weather records show that heavy rain in this town comes mostly in April. When should the town clean its storm drains?

   in April, during the storms

   in May, after the rains

   in July, when it is driest

   in March, before the rainy month

3. 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 13-foot levee a 12-foot levee **a 15-foot levee** a 10-foot levee

4. 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 B, because it had one long ago

   both the same, because tornadoes are rare

   Town B, because tornadoes surprise people

   Town A, because tornadoes happen there often

5. A sea wall protects a beach town from storm waves. What is one drawback of the sea wall?

   it pulls lightning to the beach

   it lets storm waves flood the town

   it costs a lot and can wash away beach sand

   it makes heat waves worse

6. Which evidence would show that a new levee works?

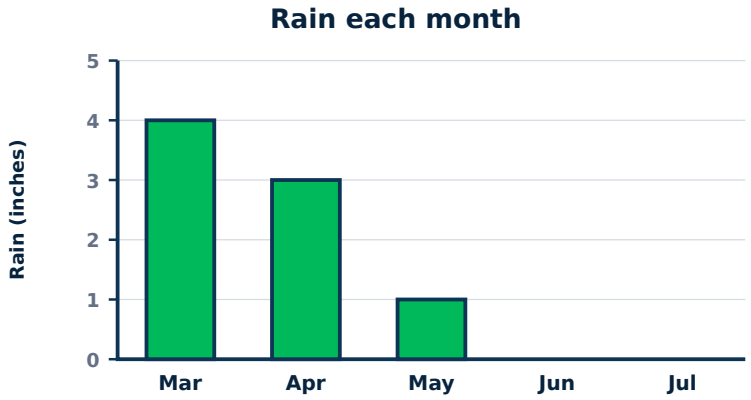
the levee was painted to last

it rained very little that spring

the river rose to 14 feet and the town stayed dry

the river stayed at 5 feet all year

7. 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 June and July only May, June and July

8. 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?

drip pipes, because less water is lost

sprinklers, because spraying cools the air

sprinklers, because they cover more ground

drip pipes, because they use more water

9. 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, because it is lighter

Roof B

Roof A

they are equally good

10. A city plants shade trees and paints roofs a light color. Which hazard is this plan meant to reduce?

river flooding lightning strikes extreme heat in summer heavy snow