Climate and Weather Hazards

Grade 3 Science Worksheet - Challenge Me

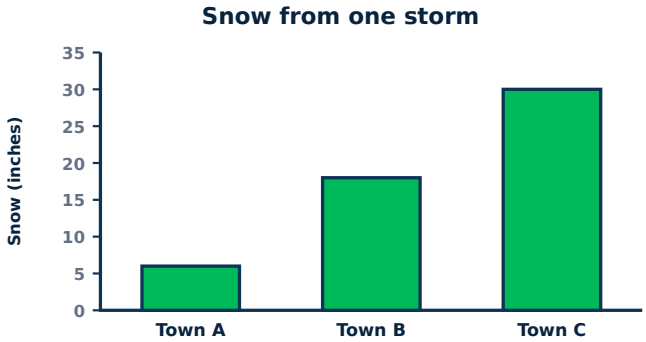
Name _____ Date _____

Circle the answer.

1. A city plants shade trees and paints roofs a light color. Which hazard is this plan meant to reduce?
   river flooding heavy snow lightning strikes extreme heat in summer

2. Why do towns use many years of records when planning for floods, not just last year's?
   rain is the same every year
   big floods are rare, so one year may miss them
   last year's records are not useful
   floods happen at the same time every year

3. A roof can safely hold about 20 inches of heavy snow. Use the graph. Which town's roofs needed to be cleared?



   Town C only all three towns Town B and Town C Town A only

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

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

6. 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 May, after the rains
   in April, during the storms
   in July, when it is driest

7. 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 15-foot levee a 10-foot levee a 12-foot levee

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

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

10. 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

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Answer Key - Grade 3 Science Worksheet - Challenge Me

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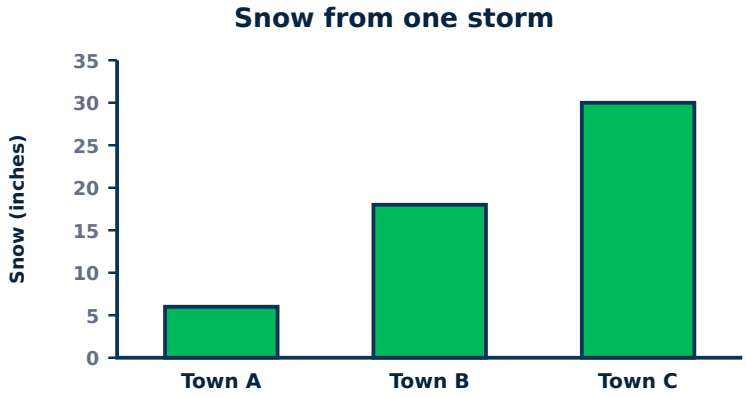
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