Weathering and Erosion

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

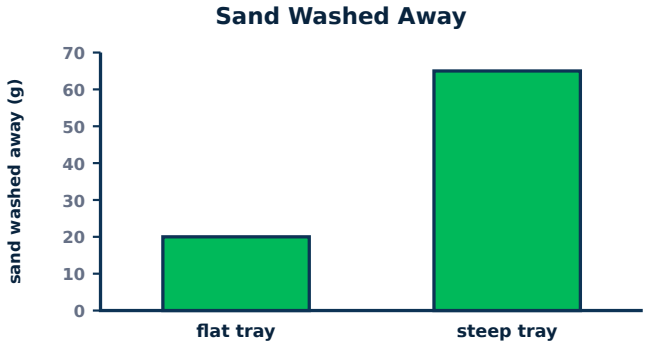
1. A desert rock has a hard top layer and a soft lower layer. Over time it becomes mushroom-shaped. Why?
   the hard top layer grows wider
   rain builds up the top layer
   wind-blown sand wears the soft lower layer faster
   the soft layer is eroded by ice only

2. A farmer's field loses soil every windy spring. Which solution would slow wind erosion?
   plant a row of trees beside the field
   remove the old plant stalks
   water the field only in summer
   plow the field into loose dirt

3. Why is erosion faster on a steep hill than on a flat field?
   gravity makes water run downhill faster
   flat fields have more rain
   steep hills have stronger soil
   water cannot move on flat land

4. What do weathering and erosion have in common?
   both happen only in winter
   both change Earth's surface over time
   both happen only underground
   both form new rock from lava

5. Students poured the same water on a flat tray and a steep tray of sand. Which claim does the graph support?



   the flat tray lost the most sand
   slope does not change erosion
   water erodes a flat slope faster
   water erodes a steep slope faster

Weathering and Erosion

Answer Key - Grade 4 Science Worksheet - Challenge Me

Circle the answer.

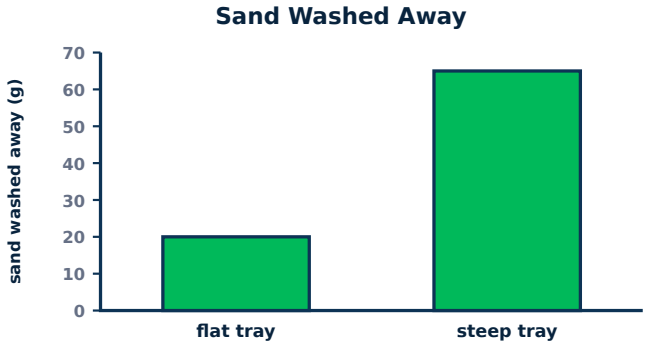
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