Weathering and Erosion

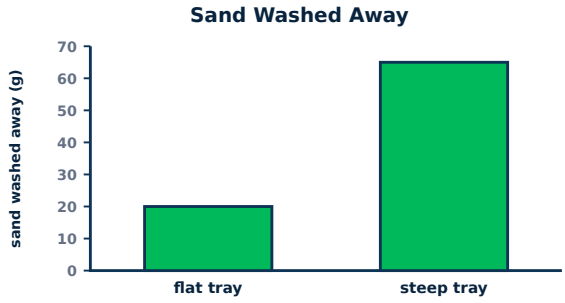
Grade 4 Science Worksheet

Name _____ Date _____

Circle the answer.

1. A town must stop a hillside road from washing away. Plan A: plant shrubs (cheap, takes 2 years). Plan B: a stone wall (costly, works now). Storms come next month. Which is best now?
   Plan A, because it works this month
   neither plan slows erosion
   Plan B, because the road needs protection right away
   Plan A, because it is cheaper

2. 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
   water erodes a flat slope faster
   slope does not change erosion
   water erodes a steep slope faster

3. A glacier slides down a valley and carries rocks with it. What is this?
   weathering by heat erosion by ice weathering by plants erosion by wind

4. A student puts chalk in plain water and in vinegar. The chalk in vinegar wears away faster. What does this model?
   erosion of soil by ice
   erosion of sand by wind
   weathering of rock by acidic rain
   weathering of rock by roots

5. What is weathering?
   rock pieces being carried away
   rock breaking into smaller pieces
   new rock forming from lava
   sand being piled into dunes

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Weathering and Erosion

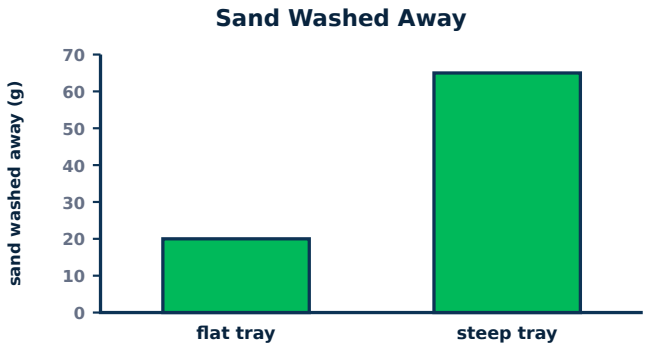
Answer Key - Grade 4 Science Worksheet

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