Weathering and Erosion

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

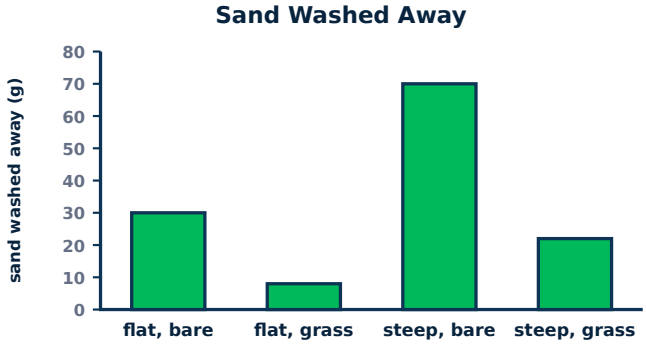
Circle the answer.

1. Why are rocks near the top of a mountain stream sharp, but rocks far downstream are round?
   the top of the stream has rounder water
   the farther rocks travel, the more they are worn smooth
   rocks grow sharper as they travel
   round rocks fall from the sky downstream

2. A river slows down as it enters a lake. What happens to the sand it carries?
   it is carried faster into the lake
   it floats back upstream
   it drops to the bottom near the river mouth
   it turns back into solid rock

3. Which pair shows weathering first, then erosion?
   a stream carries pebbles, then ice cracks a rock
   a root grows, then the root dies
   wind piles sand, then the sand blows away
   ice cracks a rock, then a stream carries the pieces away

4. Students poured the same water on four sand slopes. Which conclusion fits the data?



   steep slopes always lose the most sand
   plant cover reduces erosion more than slope increases it
   flat slopes lose more sand than steep slopes
   plants have no effect on erosion

5. A sidewalk crack has water in winter and weeds in summer. Which explains why the crack grows all year?
   erosion moves the sidewalk away in winter
   the sun melts it in summer only
   ice widens it in winter and roots widen it in summer
   wind fills it in winter and rain fills it in summer

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Answer Key - Grade 4 Science Worksheet - Challenge Me

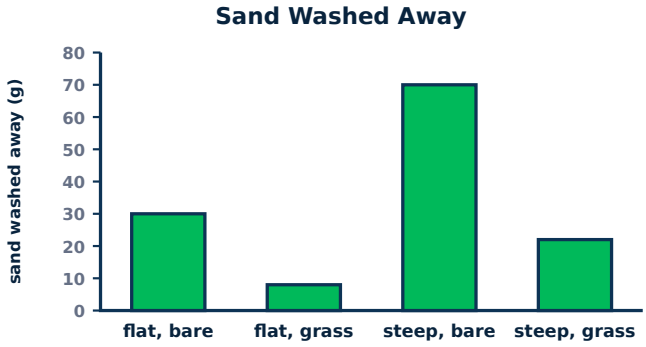
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