Weathering and Erosion

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. Two hillsides get the same rain. Hill A is covered in trees. Hill B was cleared. Which hill loses more soil?

   neither loses soil both lose the same Hill A Hill B

2. A student claims ice cracks rock with cold alone. Which result shows something else is needed?

   warm rock does not crack

   wet rock in a freezer cracks

   rock in a warm room stays the same

   dry rock in a freezer does not crack

3. Trial A: a river table with fast water moved 80 g of sand. Trial B: slow water moved 20 g. How many times more sand did fast water move?

   3 times 2 times 60 times 4 times

4. Which test best shows whether plant roots slow erosion?

   pour more water on the bare slope than the grassy one

   pour water on one grassy slope only

   use a steep bare slope and a flat grassy slope

   pour equal water on two equal slopes, one with grass and one bare

5. Weathering happens in a cliff, but no erosion happens. What would you observe?

   cracked rock that stays in place

   a river carrying pebbles away

   a beach growing wider below it

   sand piles far from the cliff

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Answer Key - Grade 4 Science Worksheet - Challenge Me

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