Weathering and Erosion

Grade 4 Science Worksheet

Name _____ Date _____

Circle the answer.

1. A student says, "The Grand Canyon formed in a single big flood." Which evidence argues against this?

   it rarely rains in the canyon today

   rivers today wear rock away only a little each year

   the canyon walls show many rock layers

   the canyon is very wide and very deep

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

   pour more water on the bare slope than the grassy one

   use a steep bare slope and a flat grassy slope

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

   pour water on one grassy slope only

3. Wind blows sand across a beach into a pile. What is this an example of?

   weathering by plants erosion by water weathering by ice erosion by wind

4. After a forest fire, a hillside loses much more soil in rainstorms. Why?

   ash makes the rain fall slower

   the plants whose roots held the soil were burned

   burned hills get less rain

   the fire made the soil heavier

5. After a big rain, muddy water runs down a hill. What is the water carrying away?

   air tree roots rain clouds soil

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Answer Key - Grade 4 Science Worksheet

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