Weathering and Erosion

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. Why are canyon walls often steep, with a river at the bottom?

   wind lifted the walls up quickly

   ice built the walls from the river

   the river formed after the canyon was dug

   the river cut down through the rock over a long time

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

   the plants whose roots held the soil were burned

   burned hills get less rain

   ash makes the rain fall slower

   the fire made the soil heavier

3. Engineers want to protect a coastal road. Seawalls stop waves but cost a lot. Planting dune grass is cheap but slow. Which choice uses both ideas?

   build a short seawall now and plant dune grass behind it

   plant grass only on the road

   build a seawall and pave over the dunes

   build no wall and remove the dunes

4. A beach loses sand every winter storm. Which solution slows wave erosion?

   build a wall of rocks to break the waves

   remove the rocks along the shore

   pull up the dune plants

   dig a channel for the waves

5. Old gravestones made of marble have letters that are hard to read. Rain slowly wore them away. What is this?

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

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Answer Key - Grade 4 Science Worksheet - Challenge Me

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