Weathering and Erosion

Grade 4 Science Worksheet

Name _____ Date _____

Circle the answer.

1. Why are rocks near the top of a mountain stream sharp, but rocks far downstream are round?

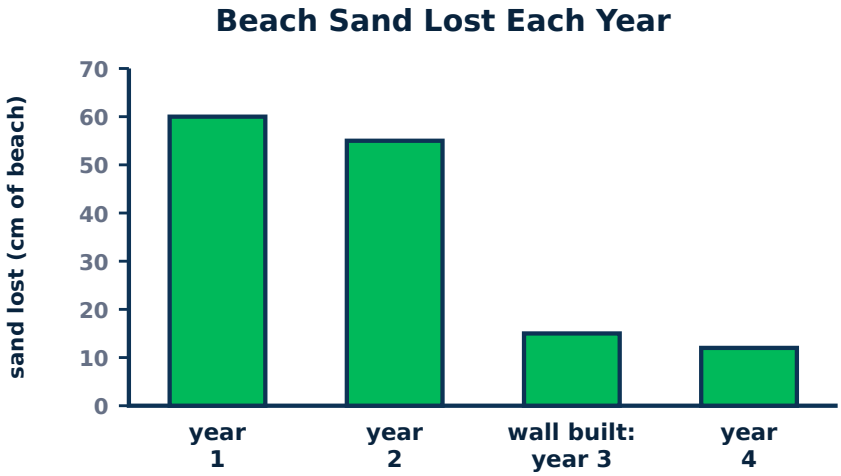
the farther rocks travel, the more they are worn smooth

rocks grow sharper as they travel

round rocks fall from the sky downstream

the top of the stream has rounder water

2. Look at the graph of a beach that was measured each year. What is the best explanation?



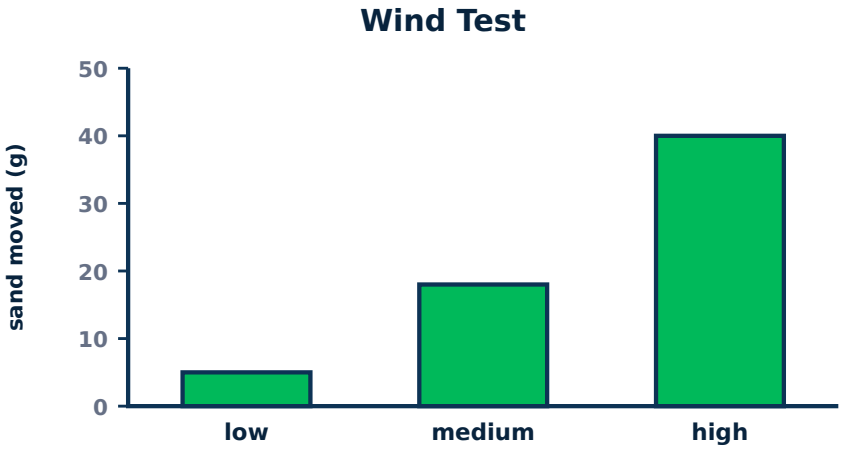
the rock wall made erosion faster

the wall stopped all sand from washing away

the beach lost the same sand every year

after the rock wall was built, less sand washed away each year

3. A fan blew on dry sand at three speeds for one minute. What pattern does the graph show?



the faster the wind, the more sand moved

the same amount moved at every speed

only the medium speed moved sand

the slower the wind, the more sand moved

4. Water freezes in a crack in a rock and the crack gets wider. What is happening?

erosion by waves weathering by plants weathering by ice erosion by wind

5. Which pair shows weathering first, then erosion?

wind piles sand, then the sand blows away

a root grows, then the root dies

ice cracks a rock, then a stream carries the pieces away

a stream carries pebbles, then ice cracks a rock

Scan to get this marked free. No screen time for your child.
Print it · do it in pencil · scan it · PencilGo picks the next sheet.

Weathering and Erosion

Answer Key - Grade 4 Science Worksheet

Circle the answer.

1. Why are rocks near the top of a mountain stream sharp, but rocks far downstream are round?

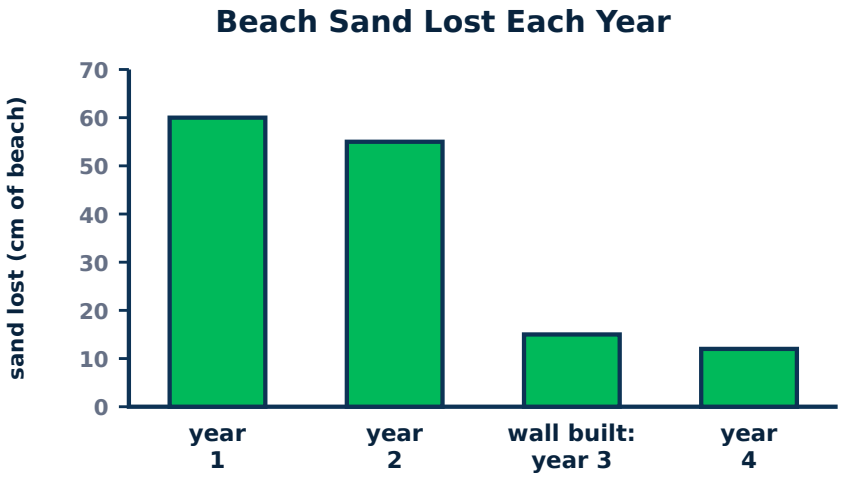
   the farther rocks travel, the more they are worn smooth

   rocks grow sharper as they travel

   round rocks fall from the sky downstream

   the top of the stream has rounder water

2. Look at the graph of a beach that was measured each year. What is the best explanation?



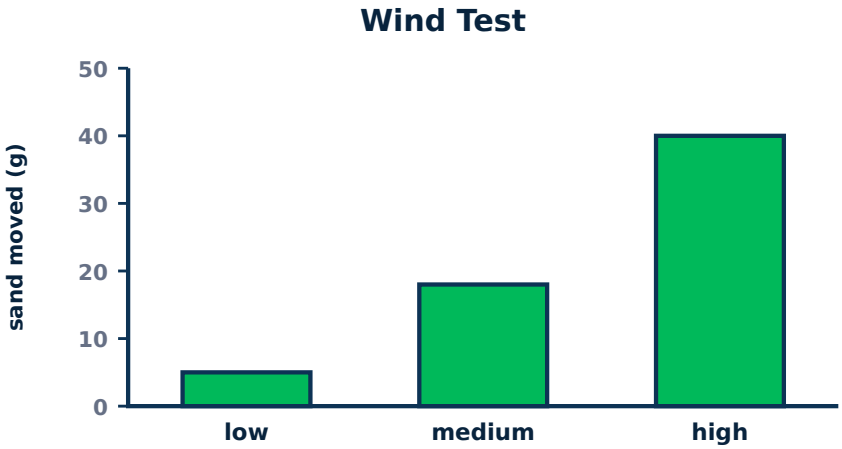
   the rock wall made erosion faster

   the wall stopped all sand from washing away

   the beach lost the same sand every year

   after the rock wall was built, less sand washed away each year

3. A fan blew on dry sand at three speeds for one minute. What pattern does the graph show?



the faster the wind, the more sand moved

the same amount moved at every speed

only the medium speed moved sand

the slower the wind, the more sand moved

4. Water freezes in a crack in a rock and the crack gets wider. What is happening?

erosion by waves

weathering by plants

weathering by ice

erosion by wind

5. Which pair shows weathering first, then erosion?

wind piles sand, then the sand blows away

a root grows, then the root dies

ice cracks a rock, then a stream carries the pieces away

a stream carries pebbles, then ice cracks a rock