Weathering and Erosion

Grade 4 Science Worksheet - Challenge Me

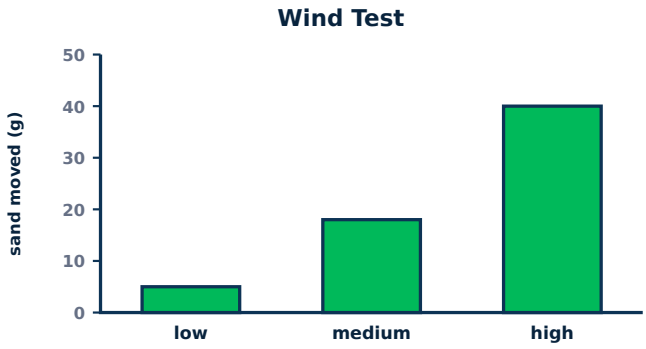
Name _____ Date _____

Circle the answer.

1. Sand-blown rocks in a desert have smooth, carved shapes. What made the shapes?
   plants growing on them
   wind blowing sand against them
   ice freezing in their cracks
   rain falling on them every day

2. Which observation is evidence of erosion, not weathering?
   sand from a cliff piles up at its base
   a root splits a boulder in two
   a rock has a new crack from ice
   a statue's face wears smooth where it stands

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



   the same amount moved at every speed
   only the medium speed moved sand
   the slower the wind, the more sand moved
   the faster the wind, the more sand moved

4. Which observation shows wind erosion and not water erosion?
   pebbles rounded in a stream
   sand ripples piled up on the side away from the wind
   a delta forming where a river meets the sea
   a gully cut into a hill after rain

5. A student puts chalk in plain water and in vinegar. The chalk in vinegar wears away faster. What does this model?
   weathering of rock by roots
   erosion of soil by ice
   erosion of sand by wind
   weathering of rock by acidic rain

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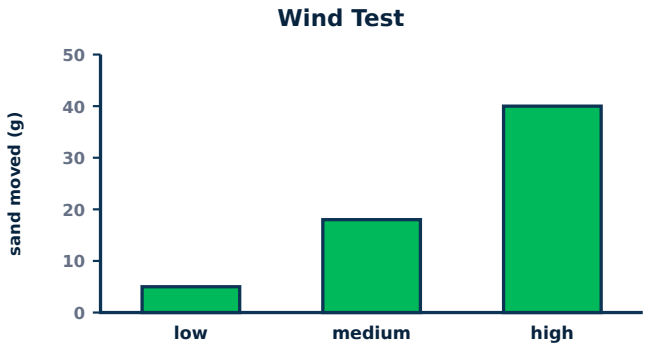
Answer Key - Grade 4 Science Worksheet - Challenge Me

Circle the answer.

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