Rocks, Fossils, and Time

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. A river canyon has rock with fish fossils at the bottom and rock with dinosaur tracks higher up. What is the best conclusion?
   - fish and dinosaurs lived in the same layer
   - water covered the area before dinosaurs walked there
   - dinosaurs walked there before the water came
   - the canyon is older than both layers

2. A sandstone layer has slanted lines like the sides of sand dunes. What does this suggest?
   - people carved the lines later
   - a deep ocean covered the area
   - ice pushed the sand into lines
   - wind piled up dunes there long ago

3. From top to bottom, a hill has: soil, rock with tree fossils, rock with clam fossils. What change in the landscape does this show?
   - land with trees later became a sea
   - the trees and clams lived side by side
   - the hill was always a forest
   - a sea area later became land with trees

4. Coal forms from swamp plants buried for millions of years. Coal is found in a very cold, dry place. What does this tell scientists?
   - coal forms from ice
   - swamp plants grow in cold deserts
   - the place was once a warm swamp
   - the place was always cold and dry

5. A claim says, "This valley has always been dry land." Which evidence weakens the claim?
   - lizards live under the valley's rocks
   - fish fossils are found in the valley's rock
   - cactus plants grow in the valley today
   - the valley gets little rain each year

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Answer Key - Grade 4 Science Worksheet - Challenge Me

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