Rocks, Fossils, and Time

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. A canyon wall shows, from top to bottom: sandstone with lizard tracks, shale with fish fossils, limestone with shells. Which was the environment first?
   a lake with fish a sea with shelled animals a dry land with lizards
   a forest with ferns

2. A beach today has ripple marks in its sand. An old rock layer far inland has the same marks. What can scientists infer?
   the inland rock is younger than the beach
   the inland area was once a sandy shore
   ripple marks form only in deserts
   the beach is the same age as the rock

3. A layer of rock has fossils of ice-age animals with thick fur. What can scientists infer about the past climate?
   it was very cold
   it was the same as a warm beach
   it was always rainy
   it was very hot

4. Two cliffs far apart have the same three layers in the same order. Each middle layer has the same fossils. What does this suggest?
   the layers formed in different orders
   the cliffs are the same height
   the layers formed at the same time
   the fossils moved between cliffs

5. Which evidence would show that a cliff's layers were flipped over by Earth movements?
   the cliff has many colors
   the cliff has many cracks
   older fossils are found in the top layer
   the top layer is thinner than the bottom

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Answer Key - Grade 4 Science Worksheet - Challenge Me

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