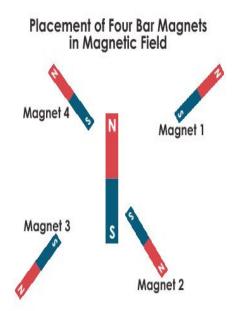
1.



The diagram shows the placement of four bar magnets within the magnetic field of a larger bar magnet.

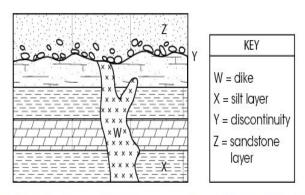
Which bar magnet will experience the greatest magnetic attraction?

- A Magnet 1
- B Magnet 2
- © Magnet 3
- Magnet 4

2.

The picture below shows a geologic cross-section of rock layers in a specific area.

Geologic Cross-section



Feature W represents a dike. Choose two other labeled features/layers in the geologic cross-section and identify their relative age with relation to dike W. Support each answer with specific information about the cross-cutting relationship from the cross-section. (No credit will be awarded for just choosing two labeled features/layers).

In the Western Hemisphere, crocodiles can be found only as far north as southern Florida. Crocodiles require warm temperatures to survive. The average annual temperature for southern Florida is 76°F. However, crocodile fossils and fossilized subtropical plants have been found in parts of western Colorado, where the average annual temperature is 53°F.

Which statement explains why crocodile fossils are found in western regions of the United States but living crocodiles are not?

- A Crocodiles used to live in cold climates but adapted to warm climates.
- The climate changed, and crocodiles could not survive in this region.
- Crocodiles migrated from Florida to Colorado, where they died.
- A glacier carried crocodile bones from Mexico to Colorado.

4

A geologist hiking through the woods in Ohio finds rocks containing fossils in a stream bank. The fossils look similar to animals currently living in the ocean.

Which conclusion should the geologist make based on the discovery of these fossils?

- A The fossils washed upstream from the ocean.
- B Animals that live in streams today lived in oceans long ago.
- © The area of the woods and stream was an ocean long ago.
- The area with the stream will become part of the ocean in the future.