Name: _____ **Class Period:** _____

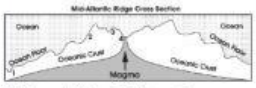
Answer the following questions:

1. The theory of plate tectonics suggests that _____ currents pushed plates in Earth's mantle.
   a. Conduction
   b. Convection
   c. Radiation
   d. Conveyor

2. Check all that apply. Which of the following items is evidence that supports the theory of continental drift?
   - ☐ Fossil evidence
   - ☐ DNA evidence
   - ☐ Continental fit
   - ☐ Glacial evidence
   - ☐ Landforms and rock layers

3. What was the name of the supercontinent that started breaking apart about 175 million years ago?
   a. Prussia
   b. Pangaea
   c. Parthenon
   d. Petunia

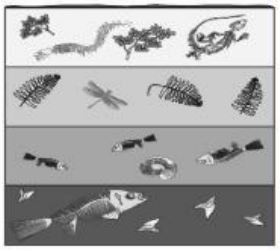
4. The following diagram shows a cross-section of the mid-Atlantic Ridge.



Which area is likely the oldest crust?

A. 1 B. 2 C. 3 D. 4

5. The diagram below shows the undisturbed layers of rock found in an area and some of the fossils found in each layer. Which describes how the environment in the area most likely changed over time?



Which describes how the environment in the area *most likely* changed over time?

A. from desert to lake
B. from river valley to forest
C. from ocean to desert
D. from grassland to coastal plain

6. Which of the following *best* describes Earth's tectonic plates?

A. They move away from each other at the equator.
B. They move because of convection currents in the mantle.
C. They collide at midocean ridges.
D. They form at subduction zones.