

Ch. 4 Lesson 1 Review

1) Compare: How is oceanic crust that is further away from a rift valley (ridge) different from oceanic crust at the center of a rift valley? FSAS SC.7.E.6.7

- A) Crust further away from a rift valley is younger than crust at the center.
- B) Crust further away from a rift valley is older than crust at the center.
- C) Crust further away from a rift valley is less dense than crust at the center.
- D) Crust further away from a rift valley is the same as crust at the center.

2) Identify: When magnetic minerals in basalt point north what does this record? FSAS SC.7.E.6.5

- A) This records a time where polarity is reversed.
- B) This records a time when the continents are not moving.
- C) This records a time when polarity is normal.
- D) This records nothing because magnetic minerals always point north.

3) This is a photo of glacial striations, which are scratches in rocks caused by glaciers that have moved over the rocks. Glacial striations found in India are evidence for which of the following things? FSAS SC.7.E.6.5



Photo Credit: Africa Media Online/Alamy Stock Photo

- A) The location of the south and north poles has changed.
- B) The location of the equator has changed over time.
- C) The location of the Indian tectonic plate used to be near the south pole.
- D) The location of the North American Plate used to be near the equator.

4) Which is the correct definition for the principle of superposition?

- A) In undisturbed rock layers, the oldest rocks are on the top.
- B) In undisturbed rock layers, the oldest rocks are on the bottom.
- C) Rocks naturally separate into layers based on size and weight.
- D) Rocks naturally form vertical columns based on age and composition.

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5) What phenomenon occurs at mid-ocean ridges?

- A) subduction
- B) superposition
- C) mountain formation
- D) seafloor spreading