

Earth Science Quiz: Geologic Time Introduction

Name: _____

Date: _____

Section: _____

_____ 1. Which might geologists use to mark a division in geologic time?

- a. abrupt changes in fossil record
- b. frequent episodes of environmental change
- c. rates of radioactive decay
- d. movements of Earth's tectonic plates

_____ 2. Which period includes the oldest fossils of the Phanerozoic eon?

- a. Cambrian
- b. Permian
- c. Paleozoic
- d. Quaternary

_____ 3. Place the divisions of the Geologic Time Scale in order from longest to shortest.

_____ 4. How does geographic isolation affect evolution? (You may clarify with an example)

_____ 5. Cite an example of a catastrophic event that led to a mass extinction.

Bonus: If the time today is 12:30 pm, what would it be in standard time?