The History of Earth

Earth Sci

Name_____ Class_____ Date_____

1 Which **mountain range** resulted from the collision of North America and Africa, as parts of Pangea joined together in the late Pennsylvanian Period?

A Appalachian Mountains
B Acadian Mountains
C Taconic Mountains
D Grenville Mountains

2 The large coal fields found in Pennsylvania provide evidence that the climate of the northeastern United States was much warmer during the Carboniferous Period. This **change in climate** over time is best explained by the

A movements of tectonic plates
B effects of seasons
C changes in the environment caused by humans
D evolution of life

3 The unconformity at the bottom of the Silurian rock layer indicates a **gap** in the geologic time record. What is the **minimum time**, in millions of years, shown by the **gap**?

4 Compared to Earth's solar system, the **universe** is inferred to be

7 formed along the west coast of South America because the **South American Plate**

A collided with the Nazca Plate
B collided with the North American Plate
C slid away from the Nazca Plate
D slid away from the North American Plate

mid-Atlantic Ridge?

A Oceanic crust is oldest at the ridge.
B Large sedimentary folds exist in the mantle near the ridge.
C Oceanic crust on both sides of the ridge is less dense than continental crust.
D Oceanic crust on both sides of the ridge shows matching patterns of reversed and normal magnetic polarity.

9 Earth's early atmosphere formed during the Early Archean Era. Which **gas** was generally **absent** from the atmosphere at that time?

A water vapor
B carbon dioxide
C nitrogen
D oxygen

10 According to fossil evidence, which sequence shows the **order** in which these four life-forms first appeared on Earth?

A reptiles → amphibians → insects → fish
B insects → fish → reptiles → amphibians
C amphibians → reptiles → fish → insects
D fish → insects → amphibians → reptile

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