



Fossils BrainPOP

<https://www.brainpop.com/science/earthssystem/relativedating/>

10

Name: _____

Strata are mostly found: *

- Underground
- On Earth's surface
- In oceans
- In the atmosphere

1 point

According to the principle of superposition, younger strata form _____ older strata. *

- Below
- Above
- Next to
- Around

1 point

Based on the thin layer of sediment on his flooded farm, James Hutton concluded that strata: *

- Are made of large rocks
- Settle in vertical layers
- Are formed by catastrophes like floods and earthquakes
- Take many thousands of years to form

1 point

William Smith connected strata in different locations by recognizing similar patterns of: *

- Coal deposits
- Mine shafts
- Fossils
- Canals

1 point

The colors on a geologic map often indicate the ____ of rock layers. *

1 point

- Depths
- Heights
- Ages
- Temperatures

Which idea associated with relative dating helped inspire Charles Darwin's work on evolution? *

1 point

- Earth is extremely ancient
- Water and wind move sediments
- Older rock layers are farther from the surface
- Strata can be folded and tilted over time

Relative dating can be used to do all of the following, except: *

1 point

- Compare the ages of rock layers based on depth
- Correlate rock layers in different places
- Establish a timeline of events in Earth's history
- Determine age in terms of years

Radiometric dating of rocks is used to determine: *

1 point

- Relative age
- Absolute age
- Location
- Fossil content

Scientists currently estimate that Earth is approximately ____ years old. *

1 point

- 6,000
- 96 million
- 200 million
- 4.5 billion

What is most likely true of all the strata from the Jurassic Period? *

1 point

- They contain rocks from the Jura Mountains
- They are more than one billion years old
- They contain similar fossils
- They do not contain sedimentary rock

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