

Name: _____

Geologic Time

Date: _____ Period: _____

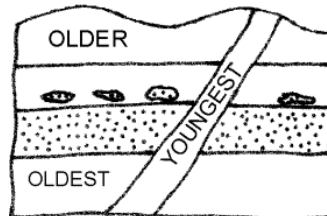
Earth Science

Relative Dating

CLASS NOTES

- Uniformitarianism - _____

- "The present is the key to the past"
- Relative Dating - determination of the age of a rock or event in relation to other rocks or events
- Principle of Superposition - _____



- Original Horizontality - _____

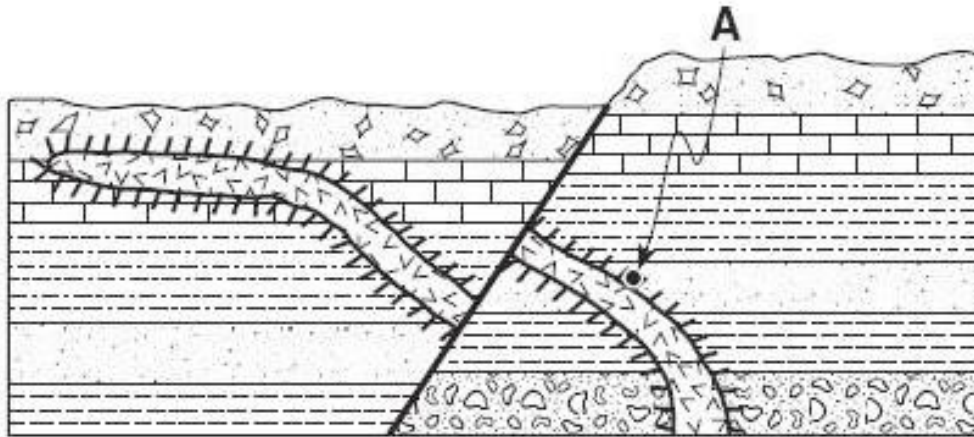
- Extrusions - _____

- Intrusions - _____

 - Younger than the rocks that they crosscut
 - Exception to the principle of superposition

Relative Dating

- Contact Metamorphism - _____
-



- Faults - _____
-

- Younger than the rocks that they crosscut

- Folds - _____
-

- Exception to the principle of superposition

- Correlation - the process of showing that _____ or _____
from different places are the same or similar age

- Correlation is the most effective method when using relative dating

- What to look for when correlating rocks:

- _____
- _____
- _____
- _____
- _____

Relative Dating

- Fossils - _____

 - Examples: bones, shells, footprints, and organic compounds (DNA)
- Index Fossils - _____

 - Best method for correlating rocks
 - To be considered a good index fossil it needs to meet two criteria:
 1. _____
 2. _____
- Geologic Time Markers - _____

 - Examples: volcanic ash deposits and meteorite impacts