

AIM: What is relative dating?

Unit 5: Geologic history: How do we determine when events happened?

- Do Now:** 1) What is your birth date? _____ How old are you (in years)? _____
- 2) Write down the names birthdates and ages of the other people at your table:

- 3) Who is oldest?
- 4) Who was born the latest?

By the end of class, you should be able to...

- Explain the difference between absolute dating and relative dating
- Define uniformitarianism, unconformity, principle of superposition, and principle of original horizontality
- Read and interpret a block diagram

1) **Absolute age** is _____

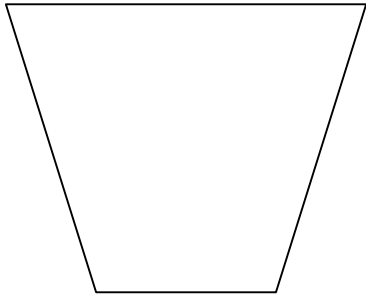
2) **Relative dating** is _____

3) What is **uniformitarianism**? _____

4) **Principle of Original Horizontality** _____

5) **Principle of Superposition:** _____

Sediment Deposition Activity



- 1) Layers are deposited _____
- 2) Where are the oldest layers found?

Try It Out:

1) Label the first layer that was deposited

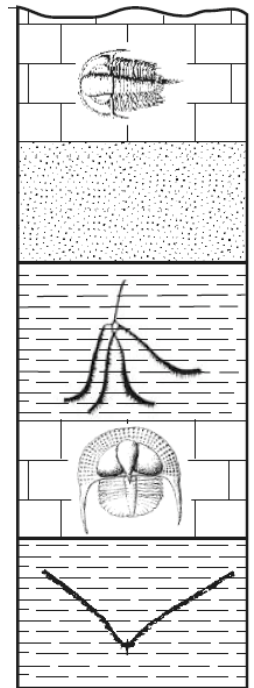
2) Label the last layer to be deposited

3) Look at the outcrop to the right. Label the names of the rocks found in each layer.

4) Label the oldest layer

5) Label the youngest layer

6) Why do you think the rock at the surface is not flat and smooth like the other layers?



6) An intrusion is when _____

7) An extrusion is when _____

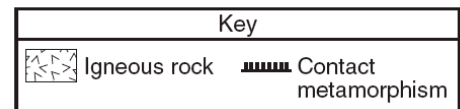
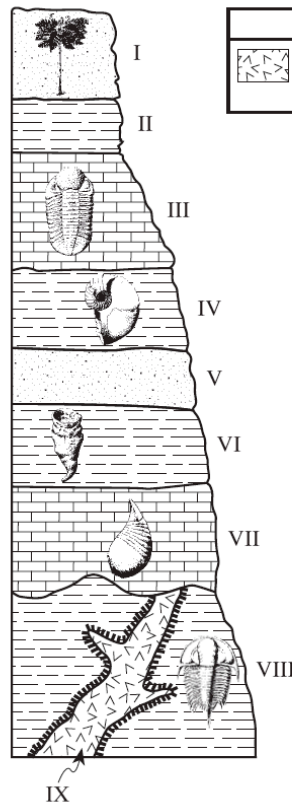
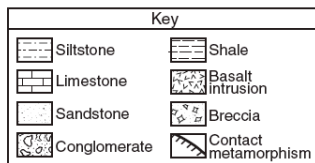
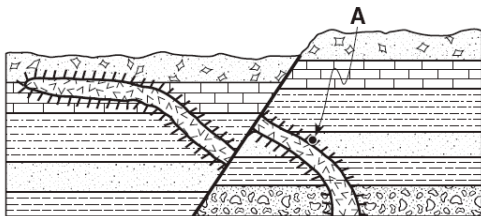
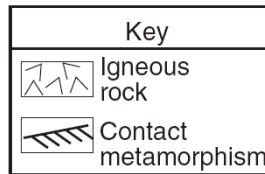
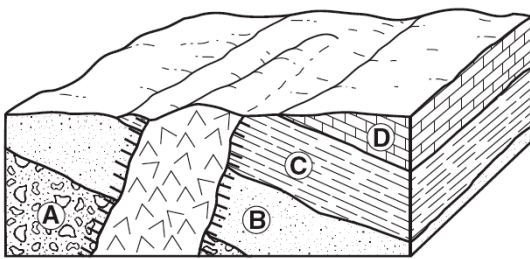
8) **Cross-cutting** relationships are _____

9) Other "events that can happen to rocks include:

Faulting:

Folding:

10) An **unconformity** is _____



Summary and Reflection: