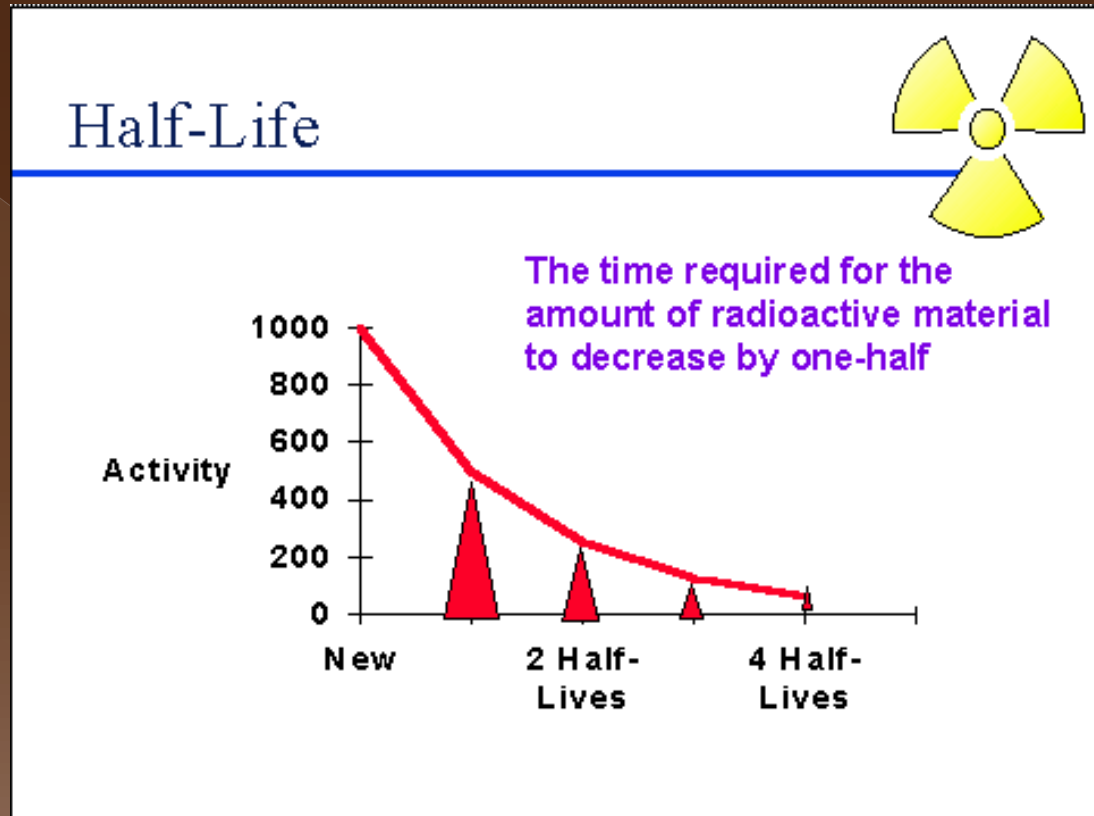


Dating

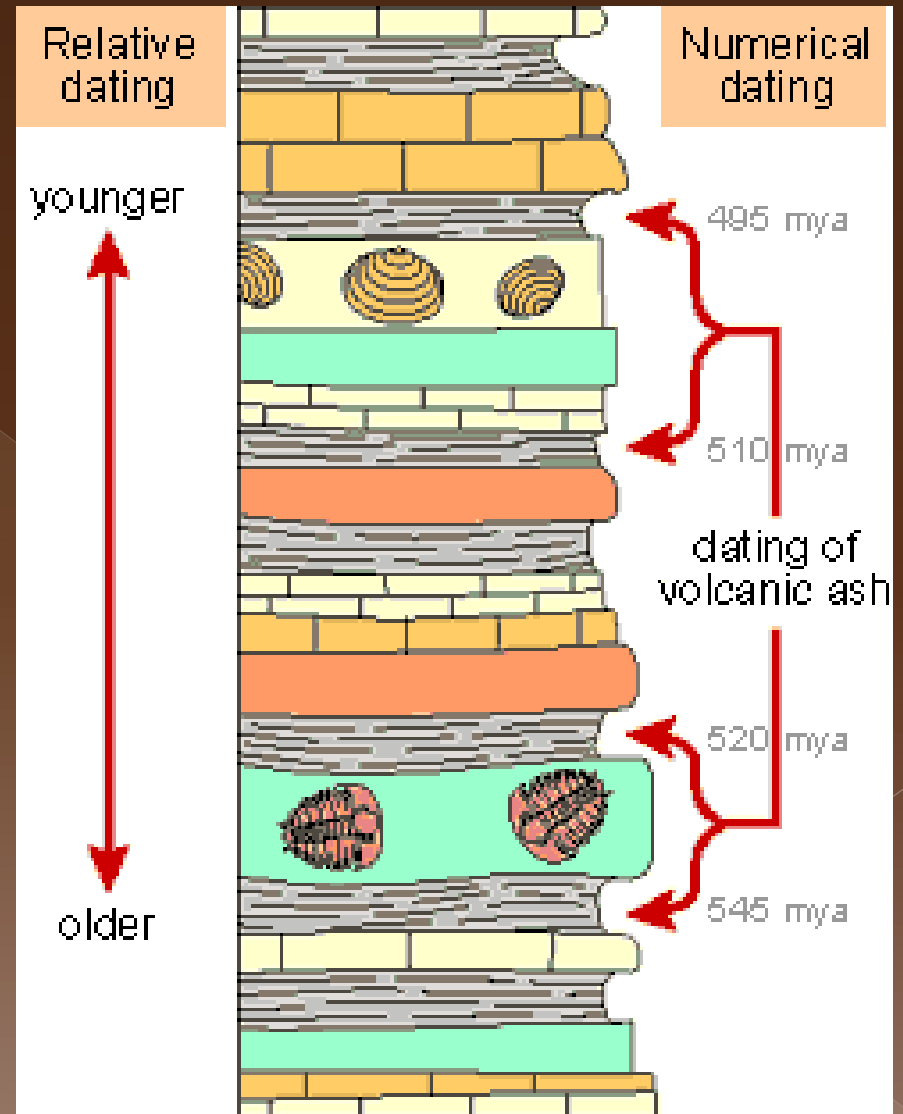
Absolute Dating – The actual age of an object.

- Found by determining the amount of radioactive material in the object.



Relative Dating

- The age of an object compared to another object or event.



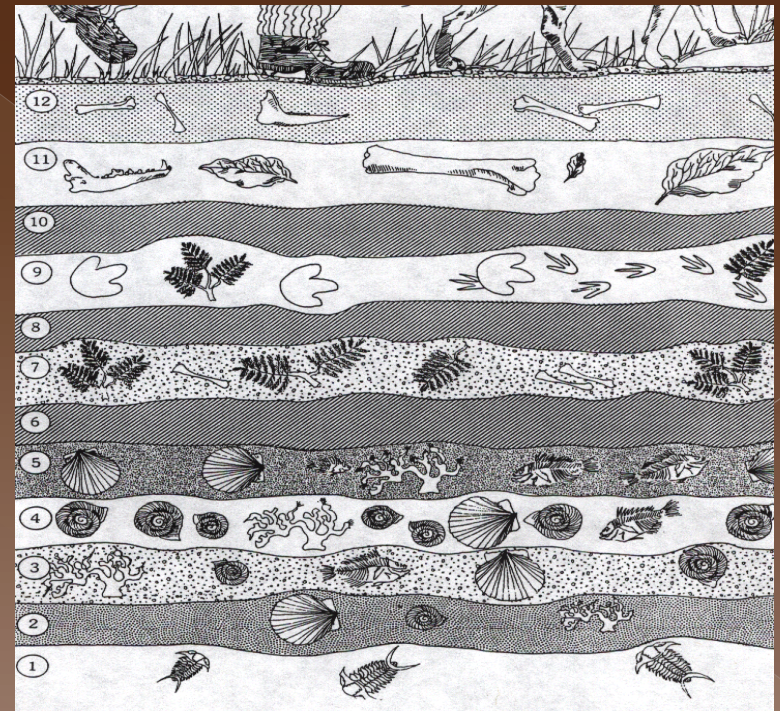
Relative Dating

- ◎ Layers of rock show the relative age of each layer.



The Law of Superposition

- In undisturbed layers of rock, the lowest layer is the oldest and the age of the rock layers gets younger as you move upward.



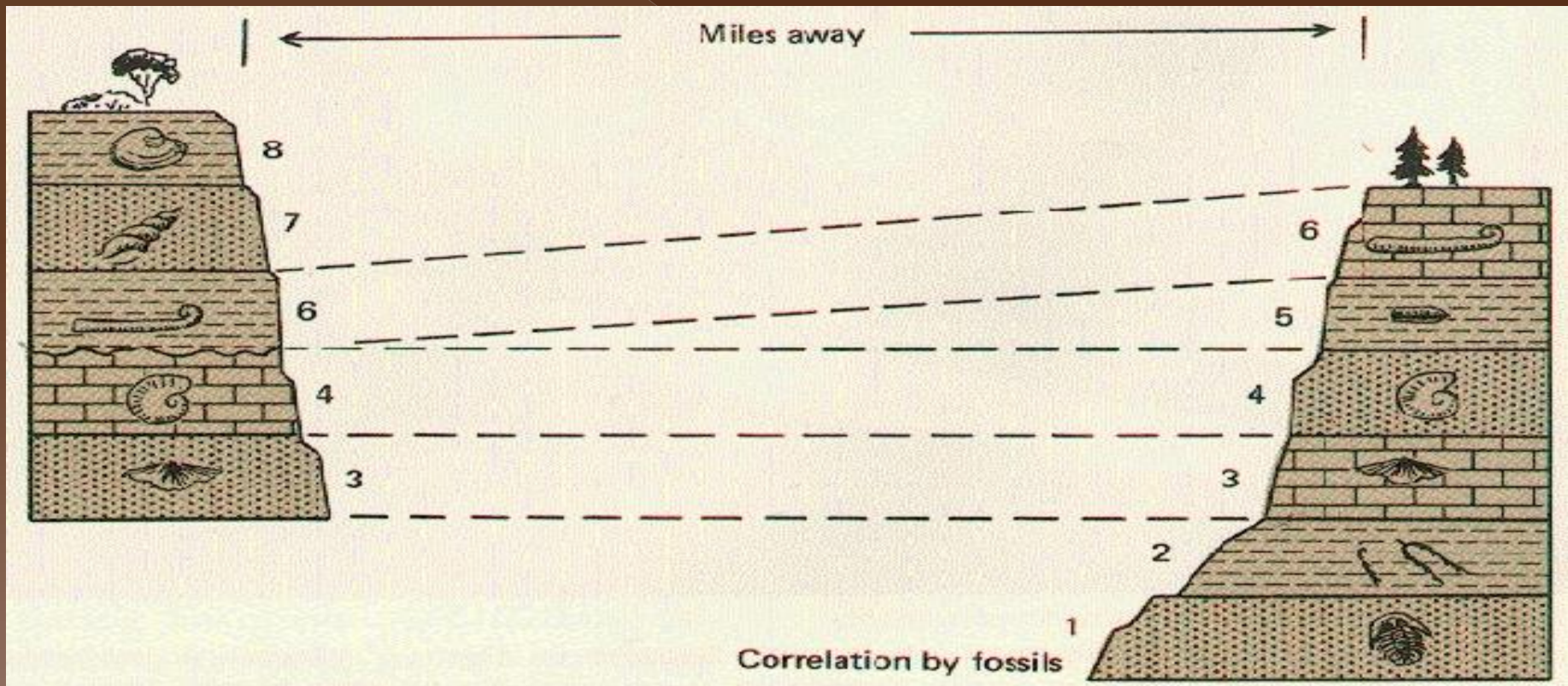
Dating Starts to Get Tough

- ⦿ Often rock layers will get disturbed by an earthquake, erosion, or by molten magma seeping into it, causing the layers to realign.

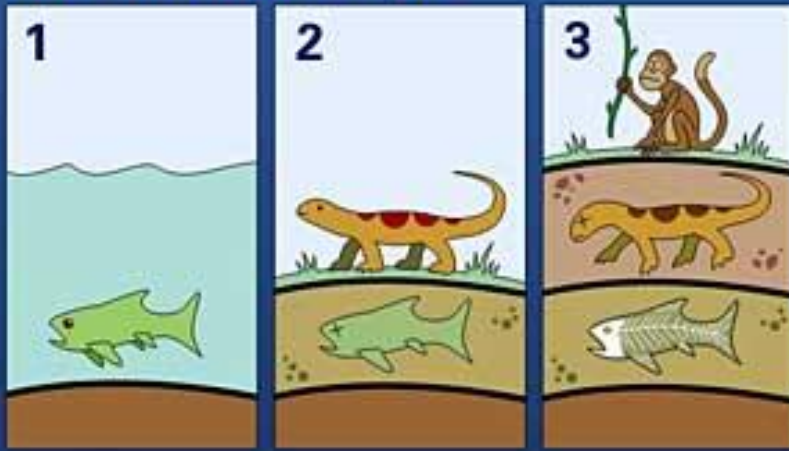


Index Fossil Review...

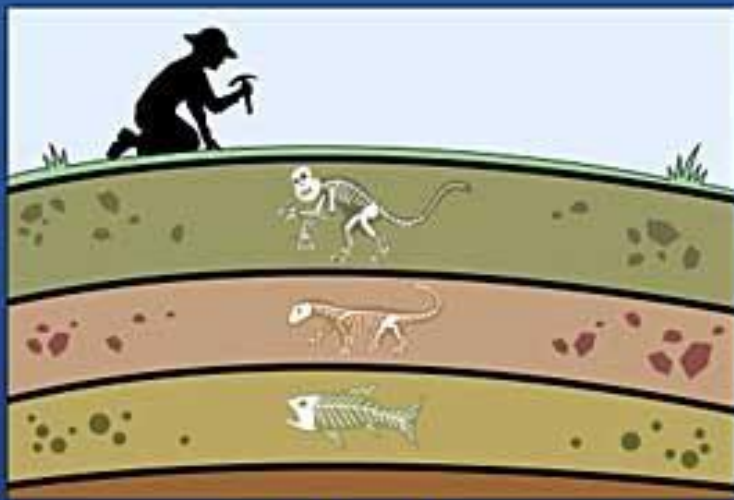
- An index fossil is a fossil of an organism that lived all across the world, but only for a short period of time.
- Index Fossils help scientist determine the relative age of rock layers located in different places.



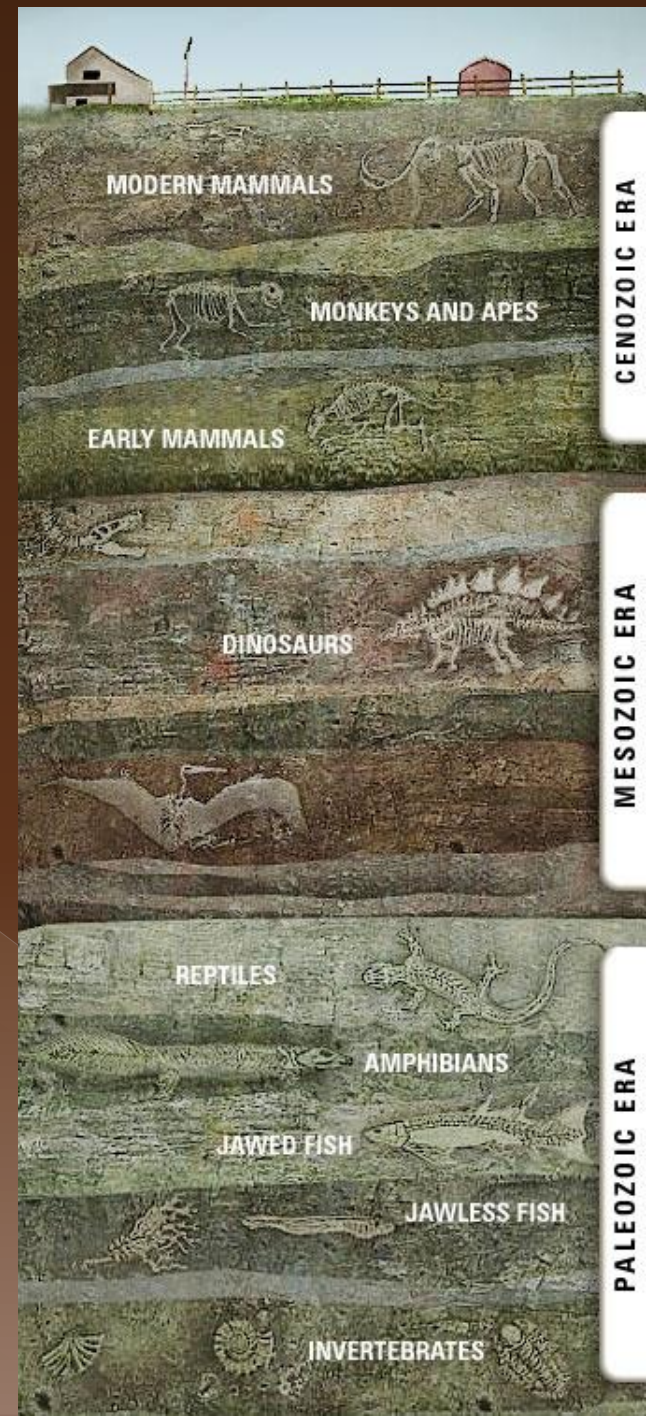
rock layers are deposited from the bottom up...

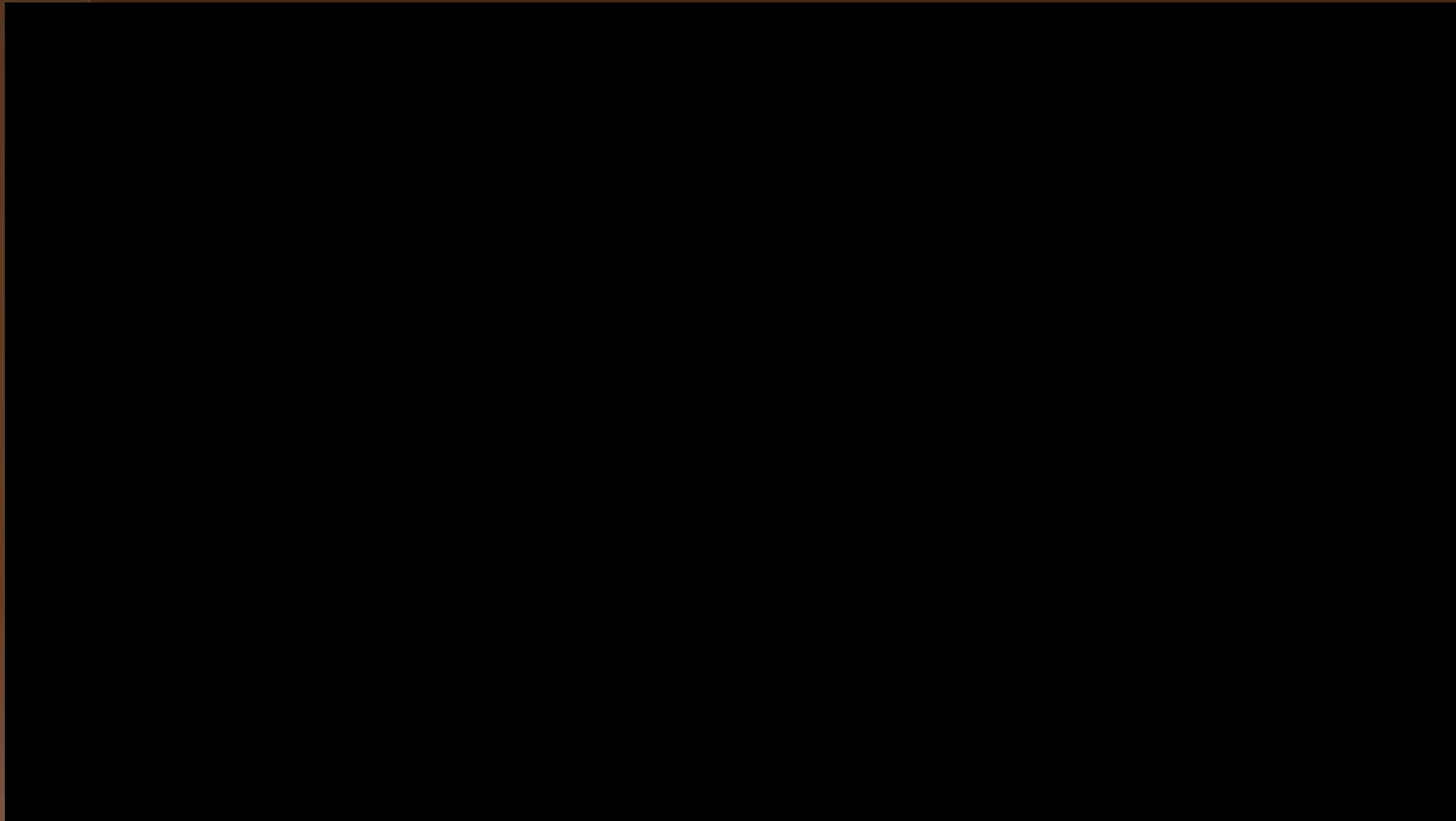


○ The fossils closest to the surface are most similar to the animals alive today.



...so the deeper we dig, the farther back in time we see





Which came first?

