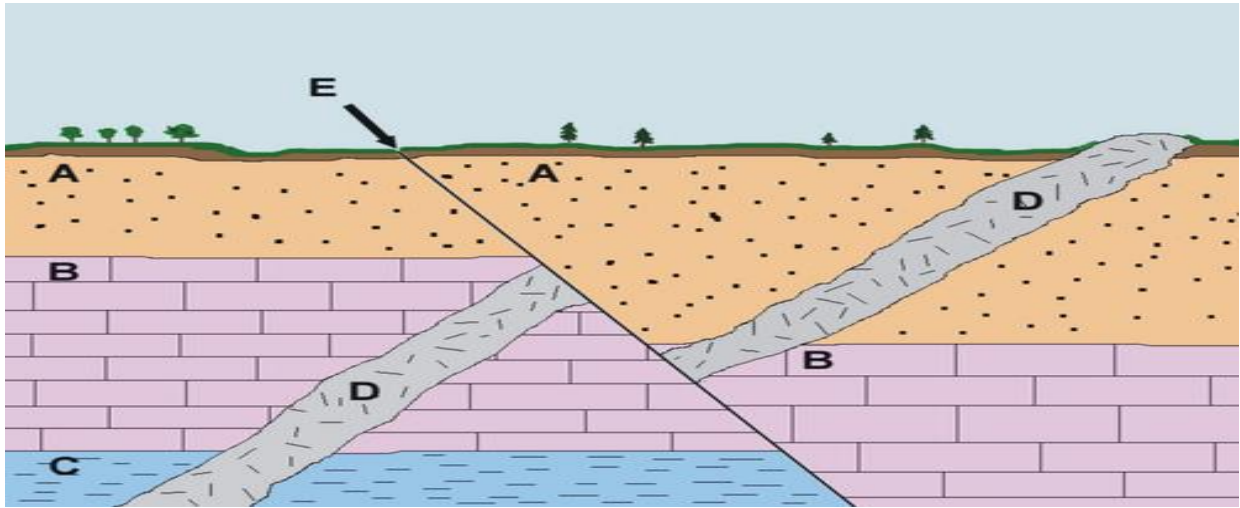


Name: _____

Chapter 10 and 11 Study Guide

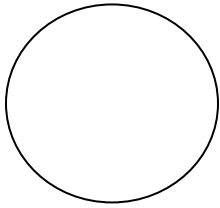
1. Give two examples of uniformitarianism and catastrophism. Briefly explain the difference between each. What does each term mean?

2. Rank the following layers from oldest to youngest. How do you know this?

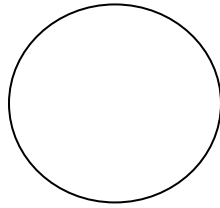


3. Give an example of relative dating and absolute dating using your family or some other family as an example. Briefly explain how your family explains each dating process.

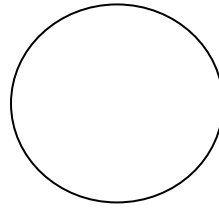
4. Let us say you have a sample of a substance. You start off with 100 grams. This object has a half-life of 10 minutes. Fill in the circles below of how much you have remaining after 30 minutes. You can either write the numbers or fill in the circles.



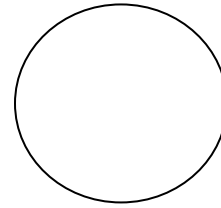
0 minutes



10 minutes



20 minutes



30 minutes

5. Explain what scientists used to know that Iowa was once covered in ocean.
6. The Mesozoic Era was known as the “Age of Reptiles”. What was the Cenozoic Era known as and why is this?
7. The Paleozoic and Mesozoic eras ended with mass extinction. What do you think will happen to our era?
8. Vocabulary terms:
- Geology
 - James Hutton
 - Fault
 - Intrusion
 - Folding
 - Tilting
 - Unconformity
 - Superposition
 - Half-life
 - Fossil
 - Mold
 - Cavity
 - Cast
 - Amber
 - Eons → eras → periods → epochs