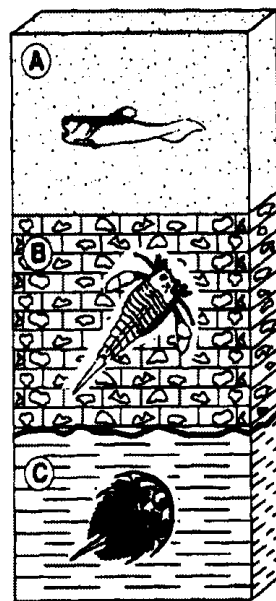


Name: \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

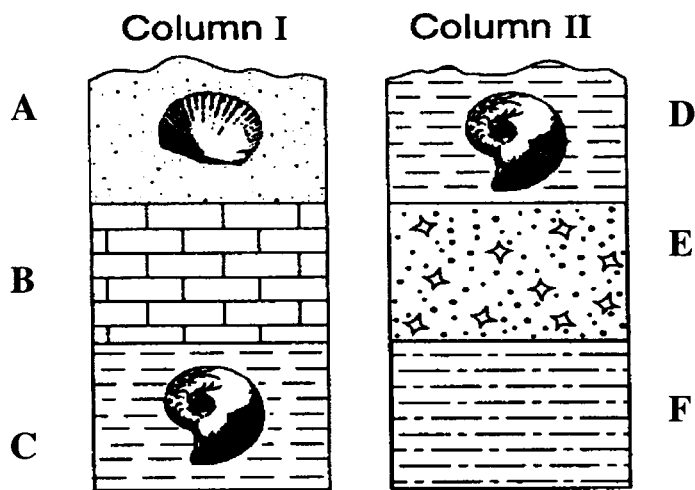
## Fossils and Relative Dating Worksheet

- \_\_\_\_\_ 1. Using the diagram below, which of the following fossils (A, B or C ) is the oldest? How do you know?

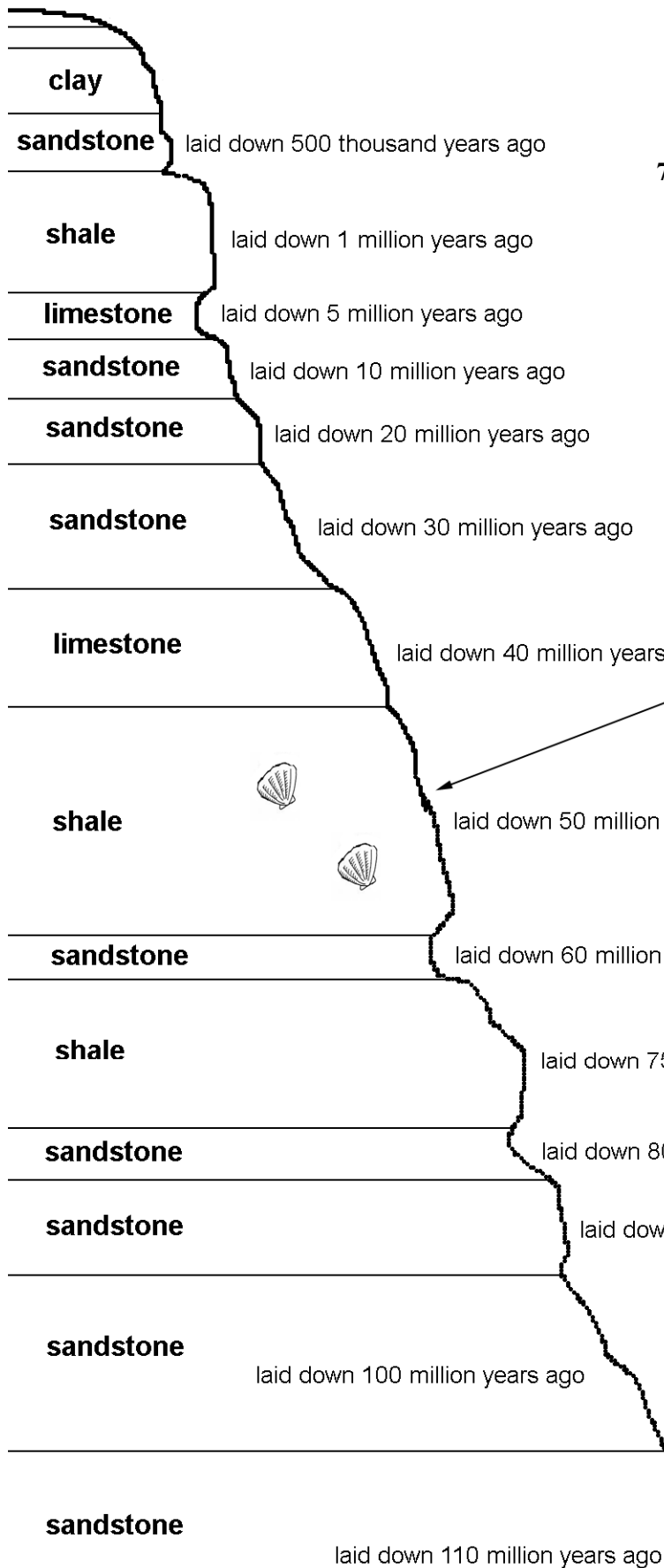


- \_\_\_\_\_ 2. What is the order of the layers? Which relative dating technique(s) did you use to figure out the order of the layers?

*Examine the following diagrams. Columns I and II contain rock layers A, B, C and D, E, F. Both columns were taken from the same dig site.*



3. Which two layers are of approximately the same age? How do you know?
4. Which layer is the oldest? How do you know?
5. Which layer is the youngest? How do you know?
6. Has any of the rock layers undergone metamorphism? How do you know?

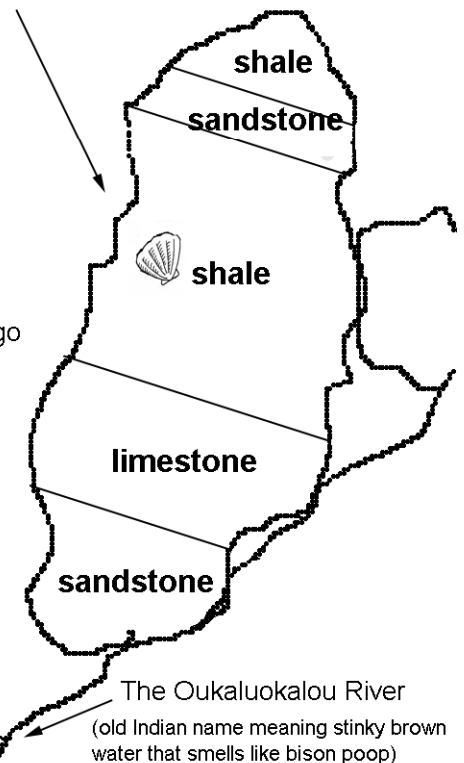


7. What major erosional force caused this canyon to be formed? (Hint: it's the same force that created the Grand Canyon)

8. If Uranium-236 has a half life of 25 million years, what percentage of the original Uranium-236 would be left in this layer and what percentage would have turned into lead?

9. What is the age of this shale?

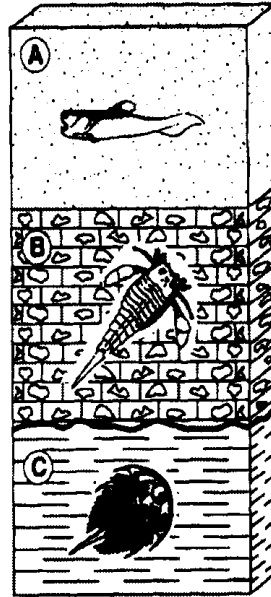
10. How old would the fossil clam be in this layer?



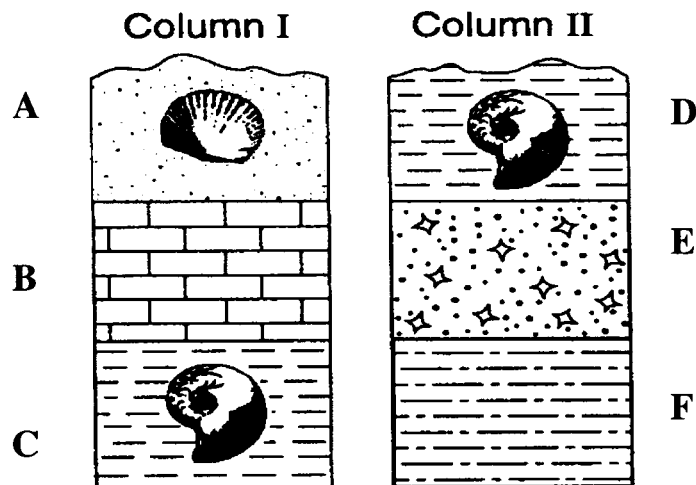
## Fossils Worksheet – Earth Science

Name: \_\_\_\_\_

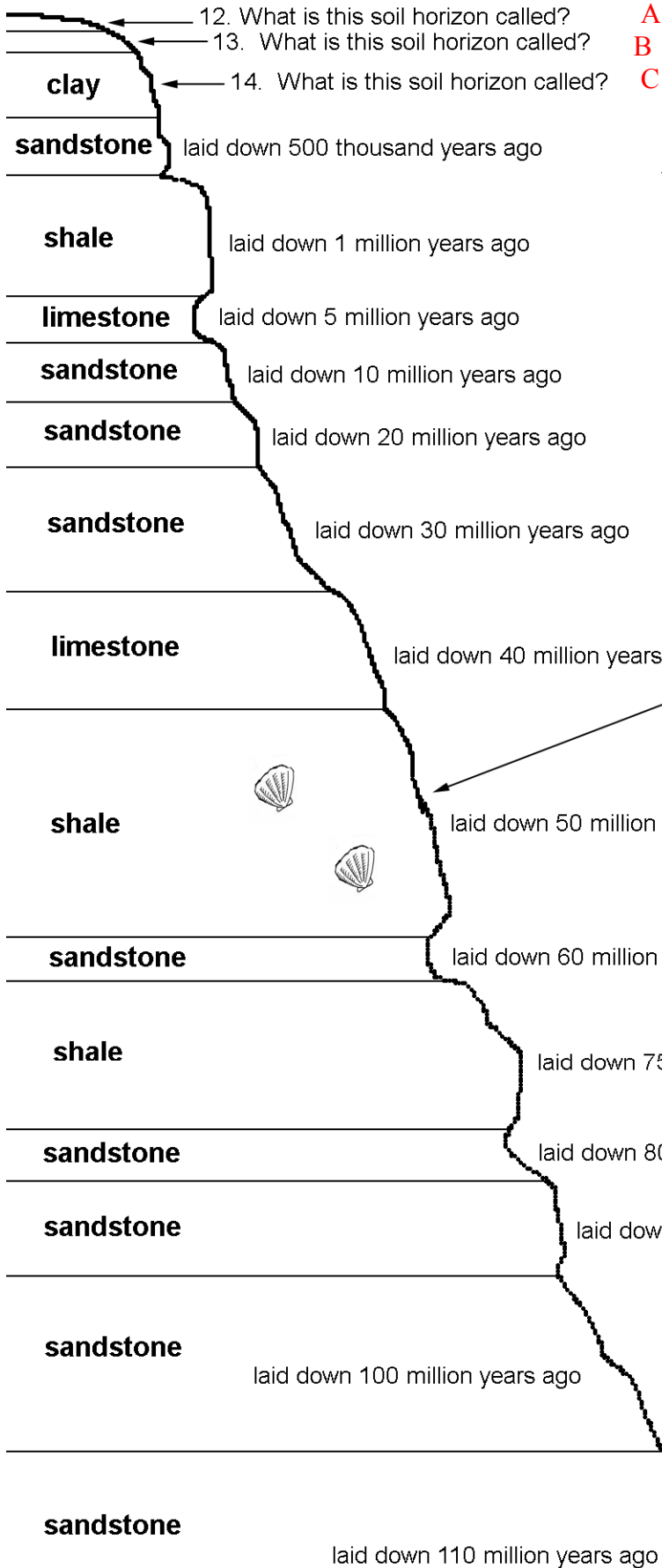
- C   7. Using the diagram below, which of the following fossils (A, B or C ) is the oldest?



*Examine the following diagrams. Columns I and II contain rock layers A, B, C and D, E, F. Both columns were taken from the same dig site.*



9. Which two layers are of approximately the same age? **C & D**
10. Which layer is the oldest? **F**
11. Which layer is the youngest? **A**



15. What major erosional force caused this canyon to be formed? (Hint: it's the same force that created the Grand Canyon)

**water**

16. If Uranium-236 has a half life of 25 million years, what percentage of the original Uranium-236 would be left in this layer and what percentage would have turned into lead?

**25% U 75% Pb**

17. What is the age of this shale?

**75 million**

18. How old would the fossil clam be in this layer?

**50 million**

