

REGENTS EARTH SCIENCE
Evidence for Pangaea

Name: _____

ANSWER SHEET: **EARTH SCIENCE REGENTS - EVIDENCE FOR PANGAEA**

Answer the following questions below - I'll check them over, and you'll want them to study for a quiz!
Be sure to read carefully!

1. Who first noticed the puzzle-like "fit" of the continents? _____

2. What is Pangaea? _____

3. How long ago did Pangaea exist? _____

4. What is a **plate** and how fast does one move? _____

5. Who was Alfred Wegener, and what did he first propose? _____

6. List and explain the evidence for Pangaea (5 items, WITH EXPLANATIONS!!)

A. _____

B. _____

C. _____

D. _____

E. _____

7. What was the problem with this hypothesis? In other words, why didn't people believe Wegener?

8. Why would Wegener have considered the presence of coal in Pennsylvania evidence of Continental Drift?

9. Explain one reason why Continental Drift should matter to you.

10. After all this, there is 1 big problem. The continents don't "drift". Why is it incorrect to call this movement of landmasses "CONTINENTAL DRIFT"? (hint: help might be [found here!](#))

If you are interested, [take the short quiz!](#)

EXTRA CREDIT: You can earn Extra Credit if you find out what the following organisms were, and how they relate to evidence for Pangaea:

- Glossopteris
- Cynognathus
- Lystrosaurus
- Mesosaurus