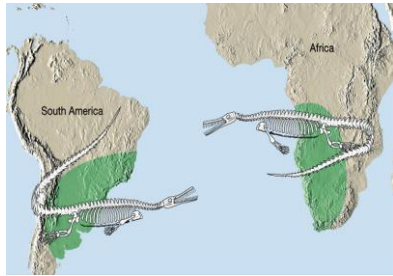


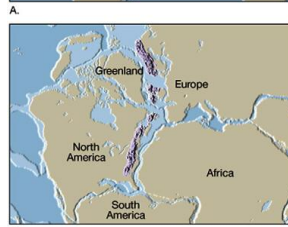
Plate Tectonics Test Study Guide – Chapter 9

Know the following vocabulary:	Alfred Wegener	Continental Drift	Pangaea
	Plate Tectonics	Lithosphere	Asthenosphere
	Divergent Boundary	Convergent Boundary	Transform Boundary
	Rift Valley	Subduction Zone	Continental Volcanic Arc
	Island Volcanic Arc	Convection Current	Lava
	Magma	Hot Spot	San Andreas Fault

- The supercontinent was called _____
- Pangaea means _____
- Who came up with the Theory of Continental Drift? _____
- What were his 4 forms of evidence for Continental Drift?
- Under each picture below, write down which form of evidence the picture represents







A.
B.



A.
B.

6. For **EACH** of the following types of evidence, explain **HOW** it was used to support the Theory of Continental Drift:

a. **Continental Puzzle Pieces** - _____

b. **Matching Fossils** - _____

c. **Matching Rock Types** - _____

d. **Ancient Climates** - _____

7. Why was Wegener's Theory **NOT** accepted?

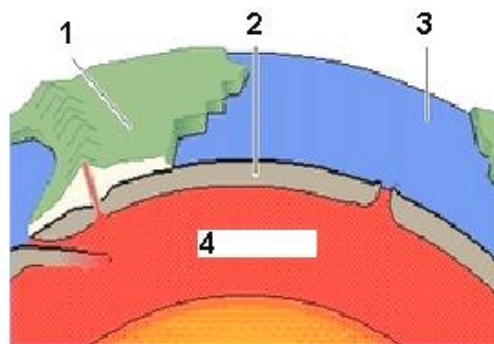
8. Make sure you know the relationship between heating up magma, its density, and whether it rises or sinks.

9. What is the Lithosphere? Describe it.

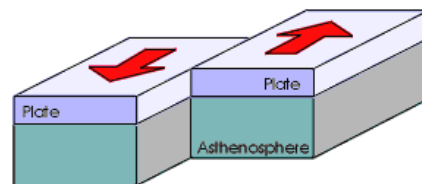
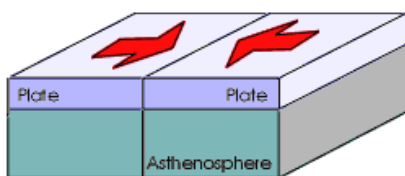
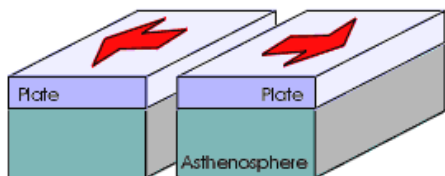
10. What is the Asthenosphere? Describe it.

11. Label the picture **to the right** with the following words:

- asthenosphere
- continent
- lithosphere
- ocean



12. Label the 3 pictures below with the **TYPE** of plate boundary they represent:



13. What type of movement is occurring at each of the following types of plate boundaries?

- a. Convergent - _____
- b. Divergent - _____
- c. Transform - _____

14. Plate Tectonics cause what 3 occurrences?

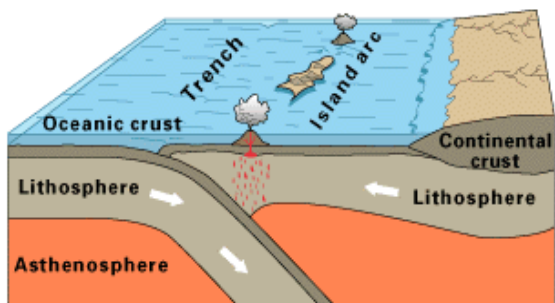
15. Divergent boundaries cause _____

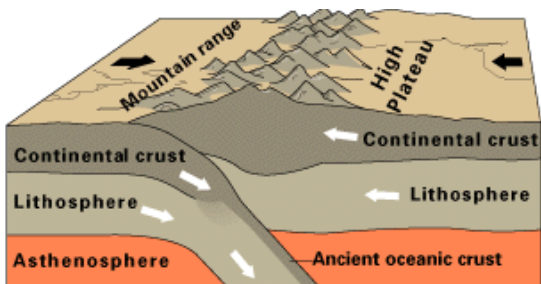
16. Convergent boundaries cause _____ AND _____

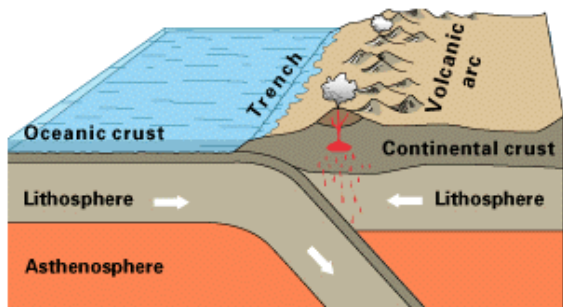
17. Transform boundaries cause _____

18. What are the 3 types of **CONVERGENT** boundaries?

19. Under **EACH** picture below, identify which type of convergent boundary the picture represents AND describe what is happening there







20. What is the driving force behind plate tectonics?

Sea floor spreading questions

1. What is seafloor spreading? Where does it occur?
2. What technology is used to study the ocean floor?
3. Where do you find the oldest and the youngest seafloor rocks?
4. What are the 2 main evidences for the seafloor spreading?
5. What is paleomagnetism? What effect it has on the sea floor?