

Earth Science Questions part 3 (pp. 107-111)

1. What does the “plate tectonics” theory state?
2. What is the *lithosphere*?
3. What is the *asthenosphere*?
4. Which one bends more easily, the lithosphere or asthenosphere?
5. How many large tectonic plates have scientists identified?
6. Which tectonic plate do we live on?
7. What is a *divergent boundary*?
8. What is a *convergent boundary*?

9. What is *subduction*?

10. What happens at a *transform boundary*?

11. What is the average rate (cm per year) that the North American tectonic plate is moving away from the European tectonic plate?

12. How long ago did the Atlantic Ocean start forming? How did it happen?

13. What is convection?

14. T/F Rocks in the mantle are hot enough to bend easily.

15. Convection in the _____ can drag plates over Earth's surface.