**Lithosphere Test Study Guide**

**Vocabulary to Know:**

1. **Asthenosphere**
2. **Lithosphere**
3. **Crust**
4. **Mantle**
5. **Outer core**
6. **Inner core**
7. **Density**
8. **Alfred Wegener**
9. **Continental drift**
10. **Plate tectonics**
11. **Magma**
12. **Convection currents**
13. **Convergent boundary**
14. **Divergent boundary**
15. **Transform boundary**
16. **Fault**
17. **Focus**
18. **Epicenter**
19. **Magnitude**
20. **Earthquakes**
21. **Mountains**
22. **Volcanoes**
23. **Rift valley**
24. **Hot spot**
25. **Seismic waves**
26. **Primary waves**
27. **Secondary waves**
28. **Surface waves**
29. **Magnitude**

**Topics to Know:**

* **What causes Earth to have four layers?**
* **How is oceanic crust different from continental crust?**
* **Why is the inner core solid?**
* **Describe Earth’s mantle.**
* **List the layers of Earth in order of least dense to most dense.**
* **What evidence did Alfred Wegener use to support his theory of continental drift?**
* **What layer of Earth is broken into tectonic plates?**
* **What causes the tectonic plates to move?**
* **Draw and label a tectonic plate boundary where subduction is occurring.**
* **Which type of tectonic plate boundary interaction forms a volcano?**
* **What is magma?**
* **Explain how volcanoes form from a hot spot.**
* **What geologic events occur at a divergent boundary? At a transform boundary?**
* **What happens at a oceanic-continental convergent boundary?**
* **How do mountains form?**
* **What is a fault?**
* **Why do earthquakes occur?**
* **Where do earthquakes occur most often?**
* **What is the focus of an earthquake?**
* **What is the epicenter of an earthquake?**
* **What gives earthquakes their energy?**
* **Which type of seismic wave causes the most damage?**
* **What gives an earthquake more or less magnitude?**
* **What causes the speed of seismic waves to change?**

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