**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_#\_\_\_\_\_**

**Study Guide for Plate Tectonics, Earthquakes & Volcanoes**

1. **Describe Alfred Wegner’s theory of continental drift.** **Make sure to include what Pangaea was and what types of evidence Wegner had to support his theory.**
2. **Describe the 3 different types of plate boundaries and what types of features are found at each.**
	1. **Convergent –**
	2. **Divergent –**
	3. **Transform Fault –**
3. **What is subduction?**
4. **What are convection currents and why are they important to plate tectonics?**
5. **What are plates?**
6. **What is the difference between magma and lava?**
7. **What is an earthquake?**
8. **Label the following diagram with the following words: FAULT, EPICENTER, FOCUS, SEISMIC WAVES**

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1. **What is a seismic wave?**
2. **Describe the 3 different types of seismic waves.**
	1. **P – wave:**
	2. **S – wave:**
	3. **L-wave:**
3. **What instrument is used to measure seismic waves? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
4. **Describe the Richter Scale.**
5. **Where do most earthquakes and volcanoes occur? Why do they occur there?**
6. **What is a volcano?**
7. **Describe the 3 different types of volcanoes.**
	1. **Shield –**
	2. **Cinder cone –**
	3. **Composite –**
8. **What are some differences between a lava flow** **and a pyroclastic flow?**
9. **Which type of flow is more destructive? Why?**