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

**Study Guide for 1st Quarter Common Assessment**

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 is an earthquake?**
6. **What is the difference between the epicenter and focus of an earthquake?**
7. **What is a seismic wave?**
8. **Describe the 2 different types of seismic waves.**
   1. **P – wave:**
   2. **S – wave:**
9. **What instrument is used to measure seismic waves? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
10. **What type of plate boundary do most volcanoes occur at?**
11. **Describe the 3 different types of volcanoes.**
    1. **Shield –**
    2. **Cinder cone –**
    3. **Composite –**
12. **What are some differences between a lava flow** **and a pyroclastic flow?**
13. **Which type of flow is more destructive? Why?**
14. **Explain how the silica content can affect the explosiveness of a volcano.**
15. **What is the difference between a rock and a mineral?**
16. **What are the 3 types of rocks?**
17. **What is the difference between an intrusive and extrusive igneous rock?**
18. **How are each of rock formed:**
    1. **Igneous –**
    2. **Metamorphic –**
    3. **Sedimentary –**