**Unit 1: “Land Beneath Our Feet” Study Guide**

1. Be able to label a diagram of the interior of the Earth.

2. Describe the composition/characteristics of each of the layers.

3. Explain the theory of continental drift.

4. Be able to name each type of plate boundary, its type of movement, what occurs at each plate boundary, which type of structures occur at each boundary, as well as draw each boundary type.

5. What happens when each type of plate boundary collides with another type?

6. Explain the difference between magma and lava.
 Magma is molten rock stored below Earth’s surface.
 Lava is magma that has reached the surface.

7. Explain how each type of rock (Sedimentary, Metamorphic, Igneous) is made.

8. What is the process that breaks downs rocks and other materials at Earth’s surface?

9. How is soil formed from rocks?

10. Using your knowledge from the soil project, how do you think police use the soil particles on a suspect’s shoe to determine if they were at the scene of a crime?

11. What is the best horizon of soil for plant growth and explain why it is the best,

12. Why is it important for humans to monitor the soil and maintain healthy soil? What farming practices aid in this?

13. Be able to label and describe the 5 layers of soil and give information about them.

**\*This is just a guide to get you started. Anything from the unit is fair game. Good luck!**

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