Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



Period \_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Layers of the Earth with OREOS!**

**Objective: Create a simple model to represent**

**the four layers of the Earth.**

**Materials:**

* **Oreo cookie with cream**
* **Chocolate syrup**
* **M & M**

**Procedure:**

**1. Carefully open Oreo cookie to keep cream on one side.**

**2. Eat the side of the Oreo without the cream.**

**3. Place a small amount of chocolate syrup in the middle of the cream part of the Oreo.**

**4. Place an M & M (with the ‘M’ face down) in the middle of the chocolate syrup.**

**5. Answer the following questions about what represents each layer of the Earth.**

**6. Follow along on the PPT for the fill-ins.**

**Questions:**

**1. The outside of the cookie represents what layer of the Earth?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**The \_\_\_\_\_\_\_\_\_\_\_\_\_\_is hard and rigid. It is the Earth’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_layer. The crust under the ocean is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. It is approximately \_\_\_\_\_\_ to \_\_\_\_\_\_\_km thick. The crust that forms the layers of rocks that forms the continents is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. It is approximately \_\_\_\_\_\_\_\_\_to \_\_\_\_\_\_\_\_km thick.**

**2. The cream part of the cookie represents what layer of the Earth?\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**The \_\_\_\_\_\_\_\_\_\_\_\_\_is subdivided into three regions, \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_\_\_\_\_. It is a dense layer made of \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ located below the \_\_\_\_\_\_\_\_\_\_\_and is about \_\_\_\_\_\_\_\_\_\_\_\_\_km thick.**

**3. The chocolate syrup represents what layer of the Earth?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is the only \_\_\_\_\_\_\_\_\_layer of the Earth. It is made of \_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. It is about \_\_\_\_\_\_\_\_\_\_\_\_\_\_km thick.**

**4. The M & M represents what layer of the Earth?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is an extremely hot and \_\_\_\_\_\_\_\_\_\_\_\_\_sphere made of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. It is located at the center of the Earth. It is about \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_km thick.**

**5. Draw a diagram of your Oreo and label the 4 layers of the earth.**

**6. EAT and enjoy your cookie☺**

