

## **Notes from Bill Nye the Science Guy!**

The earth's crust is a thin crust that surrounds the earth. Just underneath the crust is molten rock (called magma), then there is the mantle, the outer core, and the inner core of the earth.

### **1. Fill in the blanks below.**

The inner core is \_\_\_\_\_ iron.

The outer core is \_\_\_\_\_ iron and \_\_\_\_\_.

The mantle is \_\_\_\_\_ like hot tar.

The crust is crusty!

### **2. What are the two ways that volcanoes erupt?**

3. \_\_\_\_\_ is the only part of the earth that is cooler than magma.

4. Why does a geyser squirt, rather than spray like a hose?

5. The Earth's Crust is made of \_\_\_\_\_. The last time they were all one piece, they formed something called \_\_\_\_\_.

6. What happens when tectonic plates spread apart? What happens when they come together? Can you guess what would happen when they rub against each other?

7. A seismograph monitors the movement of tectonic plates, and can detect \_\_\_\_\_.

8. How do scientists know that the Earth's Core is solid?