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Unit 4 Vocabulary!

Period\_\_\_\_\_\_\_\_\_\_ Unit\_\_\_\_\_\_\_\_\_\_\_\_\_

| **Word** | **Definition** | **Synonym** (Same)  or **Sentence** | **Picture or**  **Example** |
| --- | --- | --- | --- |
| 1 Continental Crust | Layer of the Earth under us. It is approx. 20 miles deep, and less dense than the oceanic crust but more dense than the atmosphere. |  |  |
| 2 Oceanic  Crust | Layer of the Earth under the oceans. It is approx. 5 miles deep and is less dense than the mantle. |  |  |
| 3 Mantle | Thick, plastic layer of the Earth. It is constantly flowing and turning over. Convection currents cause this movement. |  |  |
| 4 Liquid  Outer Core | LOC. Composed of nickel and iron. Magnetic, less dense than solid inner core. |  |  |
| 5 Solid Inner  Core | Center of the Earth. Most dense/hottest layer. Made of nickel and iron. Magnetic. |  |  |
| 6 Atmosphere | Least dense layer of the Earth, layer of gasses surrounding the planet. There are layers within the atmosphere due to density. |  |  |
| 7 Seismic  Wave | Energy waves released by earthquakes that are sent through the Earth and tell us about the internal structure. |  |  |
| 8 Primary  wave | Fast waves that travel through solid and liquid. They speed up in solids and move slowly through liquids. |  |  |
| 9 Secondary  wave | Slow waves that travel only through solids. |  |  |
| 10 Seismograph | Tool used to measure seismic waves released by earthquakes. |  |  |
| 11 Humus | Dark, organic material in soil. Low density, so floats in water. (roots, leaves, twigs) |  |  |
| 12 Particle  Size | Size of an object. Larger objects layer lower than small objects. |  |  |
| 13 Convection Current | Currents within the mantle. They occur because of heat at the bottom causing the liquid to have a lower density and rise. When it reaches the top, it cools off, increasing it’s density. It then sinks back down. |  |  |
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