



## Structure of the Earth

The earth consists of three main layers: the core, the mantle and the crust. The core is the inner part of the earth, the crust is the outer part and between them is the mantle. The atmosphere surrounds the earth.

### The Core

- The \_\_\_\_\_ part of the earth
- \_\_\_\_\_ km below the surface
- Dense ball of \_\_\_\_\_, 3400 km across
- Inner core is \_\_\_\_\_, outer core is \_\_\_\_\_.
- Outer core spins with earth around inner core...causes \_\_\_\_\_.

### The Mantle

- The layer above the core is the mantle.
- Begins about \_\_\_\_\_ km below the surface of the ocean and about \_\_\_\_\_ km below the continents.
- About \_\_\_\_\_ km thick.
- Makes up nearly \_\_\_\_\_% of the planet's volume.
- It is "plastic" and flows in a series of \_\_\_\_\_.
- The rock of the crust \_\_\_\_\_ on top of it.

### The Crust

- Earth's "hard" outer shell.
- Much thinner than the other layers.
- Varies between \_\_\_\_ and \_\_\_\_\_ km in thickness.
- Although it feels very solid underfoot it is constantly \_\_\_\_\_.
- The movements cause \_\_\_\_\_ and at weak parts of the earth's crust \_\_\_\_\_ can erupt.
- \_\_\_\_\_% of the crust is covered with water, \_\_\_\_\_% is dry land.

### The Atmosphere

- A layer of \_\_\_\_\_ called the Atmosphere surrounds the earth.
- It gives us air, water, heat, and protects us against \_\_\_\_\_ rays of the sun and against meteorites.
- \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ 'sea' of gases, water and fine dust.
- \_\_\_\_\_ percent nitrogen, \_\_\_\_\_ percent oxygen, \_\_\_\_\_ percent trace gasses.
- The lowest layer is the \_\_\_\_\_, where weather happens and we live.
- Next is the \_\_\_\_\_ and in between them is the \_\_\_\_\_ layer, which absorbs the sun's harmful ultraviolet rays.
- Next, in order are the Mesosphere, Thermosphere (including the Ionosphere) and the Exosphere
- The total thickness is about \_\_\_\_\_ km.