

Term: Atmosphere

Definition: A mixture of gasses that surrounds the Earth.

Picture/Graphic/Symbol:

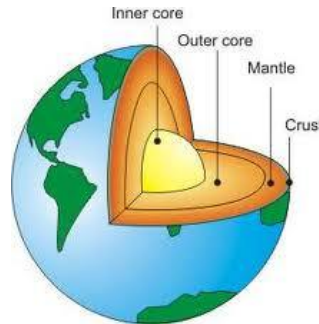


Sentence: 1. The atmosphere is located above the crust of the Earth. 2. The atmosphere is made up of a mixture of gasses.

Term: Crust

Definition: Thin outermost layer of the Earth.

Picture/Graphic/Symbol:



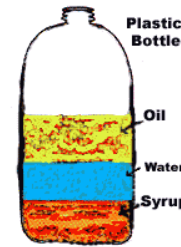
Sentence: 1. The Earth's crust varies depending on location. 2. There are two types of crust; oceanic and continental crust. 3. The crust is made mostly of rock.

Term: Density

Definition: The amount of matter in a given space.

Picture/Graphic/Symbol:

$$D = M/V \text{ (m } \div \text{ v)}$$

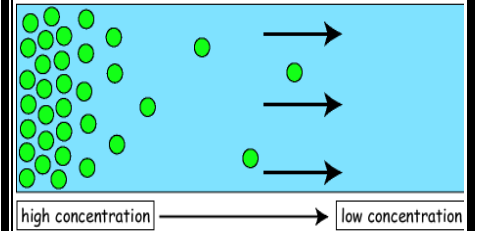


Sentence: Density is the measure of the compactness of matter.

Term: Diffusion

Definition: The movement of the particles of matter from an area of high concentration to low concentration.

Picture/Graphic/Symbol:



Sentence: Small ions and molecules can move across a cell membrane.

Term: Earthquake

Definition: Shaking and trembling resulting from the sudden movement of a part Earth's crust.

Picture/Graphic/Symbol:

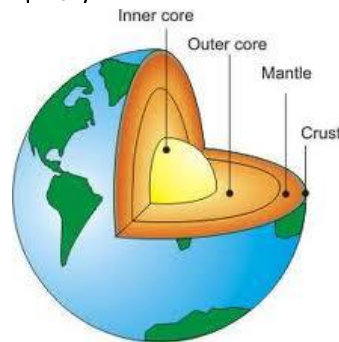


Sentence: Earthquakes have taught scientists most of what they know about the layers of the Earth.

Term: Inner Core

Definition: Solid, innermost layer of Earth.

Picture/Graphic/Symbol:

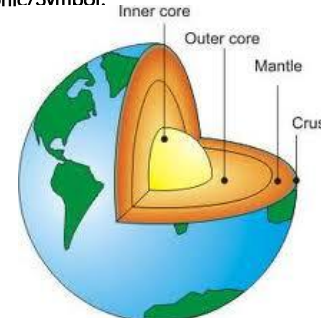


Sentence: The inner core is made of solid iron and nickel even though it is 9000+ degree f.

Term: Mantle

Definition: Layer of the Earth that extends from the bottom of the crust to the outer core.

Picture/Graphic/Symbol:



Sentence: 1. The mantle is the thickest layer of the Earth. 2. The mantle is made mostly of rock in the upper part and iron in the lower part.

Term: Matter

Definition: Anything that takes up space and has mass.

Picture/Graphic/Symbol:



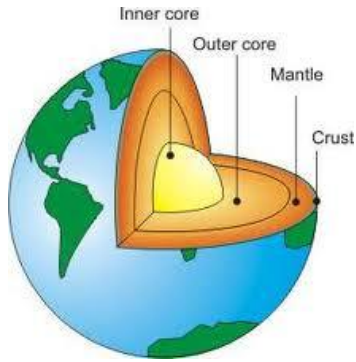
3 states examples
[What matter is made of.](#)

Sentence: Matter makes up everything in the universe except for energy (heat, light and sound).

Term: Outer Core

Definition: Layer of the Earth surrounding the inner core.

Picture/Graphic/Symbol:

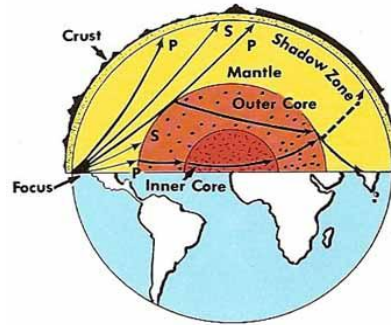


Sentence: The liquid iron and nickel of the outer core spin around the solid iron and nickel of the inner core creating a magnetic field.

Term: Seismic Waves

Definition: Shock wave produced by earthquakes that travel through the Earth.

Picture/Graphic/Symbol:



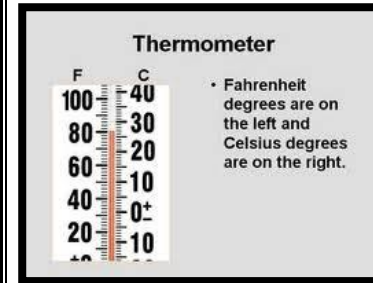
[Link to better picture](#)

Sentence: 1. Seismic waves are Vibrations that travel outward from earthquake faults at speeds of several miles per second. 2. Seismic waves have taught us what we know about the Earth.

Term: Temperature

Definition: A measure of how hot or cold something is.

Picture/Graphic/Symbol:

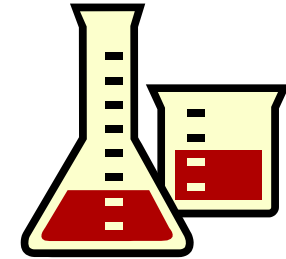


Sentence: 1. Temperature is measured with thermometers, which may be calibrated to a variety of temperature scales. 2. The temperature of the Earth increases with depth.

Term: Volume

Definition: Volume is the amount of space taken up by an object.

Picture/Graphic/Symbol:

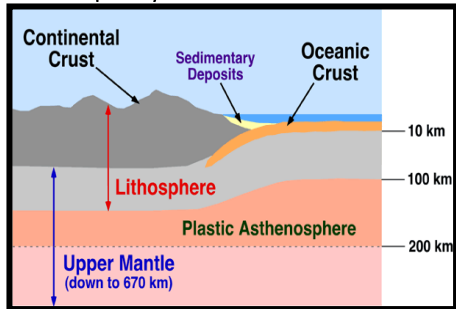


Sentence: The mantle of the Earth has the greatest volume, but the inner core has the highest density (most matter or mass per unit of volume).

Term: Continental Crust

Definition: The continental crust is the layer of igneous, sedimentary, and metamorphic rocks which form the continents.

Picture/Graphic/Symbol:

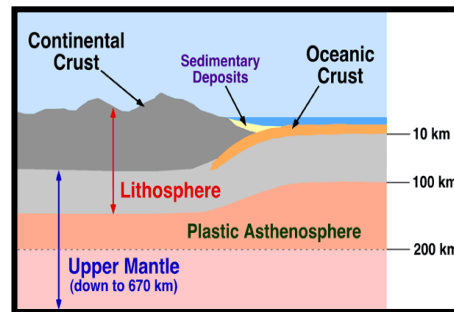


Sentence: The continental crust is mostly made of granite rock and has a lower density than the oceanic crust. 2. Continental crust is less dense than oceanic crust.

Term: Oceanic Crust

Definition: Oceanic crust is beneath the ocean floor and is primarily composed of basalt rocks, which are rich in iron and magnesium.

Picture/Graphic/Symbol:

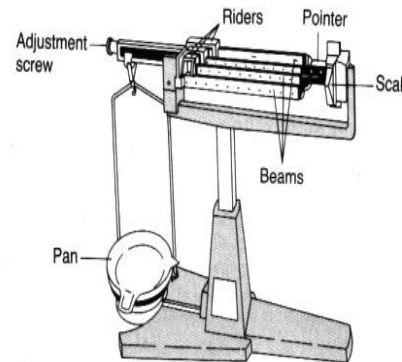


Sentence: 1. The oceanic crust is mostly made of basalt and has a lower density than the continental crust. 2. Ocean crust is more dense than continental crust.

Term: Mass

Definition: The amount of matter something is made of.

Picture/Graphic/Symbol:



Sentence: Most of the mass of an atom is within the nucleus.