

Name _____

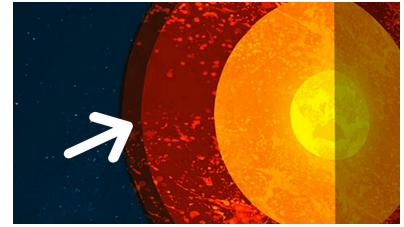
Date _____

Earth Layers & Plate Tectonics - Vocab Cards

asthenosphere noun

A thin layer of Earth, about 150 miles thick, at the border between the mantle and the crust. It is very hot and nearly a liquid.

It's weird that below the surface we're standing on there are so many layers, like the thin layer of the mantle called the *asthenosphere*.



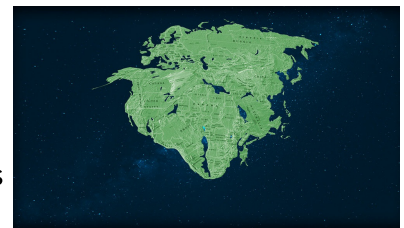
Use this word in a sentence or give an example to show you understand its meaning:

Draw this vocab word or an example of it:

continental drift noun

the theory that the earth's continents shift their positions because of currents in the molten magma of the earth's mantle.

According to the theory of *continental drift*, the continents didn't always look like they do now.



Use this word in a sentence or give an example to show you understand its meaning:

Draw this vocab word or an example of it:

core noun

the center of something.

The *core* of the apple is where the seeds are.



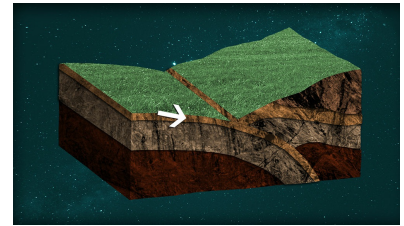
Use this word in a sentence or give an example to show you understand its meaning:

Draw this vocab word or an example of it:

crust noun

the outer layer of Earth, another planet, or a moon.

Earth's *crust*, its hard outer layer, is made up of different types of rocks.



Use this word in a sentence or give an example to show you understand its meaning:

Draw this vocab word or an example of it:

fault noun

a break in a body of rock that is part of the earth's crust, with the result that the planes of contiguous surfaces are displaced.

The Earth's surface is broken into pieces like the shell of a hardboiled egg. Each crack is called a *fault*.



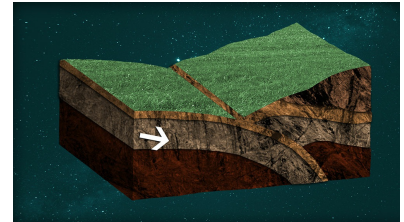
Use this word in a sentence or give an example to show you understand its meaning:

Draw this vocab word or an example of it:

lithosphere noun

the outer layer of earth's crust.

Earth's *lithosphere* includes interesting landforms, like mountains and volcanoes.



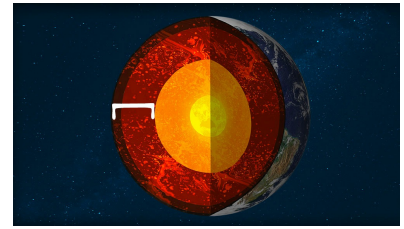
Use this word in a sentence or give an example to show you understand its meaning:

Draw this vocab word or an example of it:

mantle noun

the layer of the earth that lies between the crust and the core.

Earth's *mantle*, a thicker layer just under the thin surface, is made up of rocks, minerals and elements.



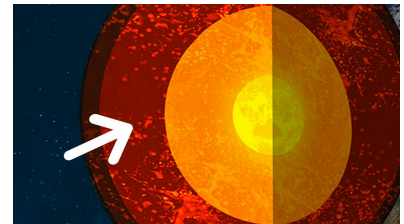
Use this word in a sentence or give an example to show you understand its meaning:

Draw this vocab word or an example of it:

mesosphere noun

A layer of Earth's mantle that is mostly solid and extends outward 1,500 miles.

The *mesosphere* is the lowest part of Earth's mantle.



Use this word in a sentence or give an example to show you understand its meaning:

Draw this vocab word or an example of it:

molten adjective

made liquid by very high heat.

Magma is *molten* rock.



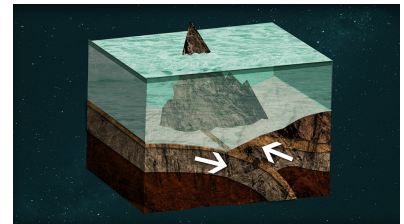
Use this word in a sentence or give an example to show you understand its meaning:

Draw this vocab word or an example of it:

tectonic plate noun

any of the several segments of the Earth's crust that move in relation to one another causing such phenomena as continental drift and volcanic eruptions.

The movement of a *tectonic plate* can cause an earthquake.



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Draw this vocab word or an example of it: