**Unit 3 A: Parts of the Earth and Plates**

**Vocabulary Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Physical layers of the Earth:

Compositional layers of the Earth:

Asthenosphere:

Mesosphere:

Lithosphere:

Inner Core:

Outer Core:

Geosphere:

Atmosphere:

Hydrosphere:

Biosphere:

Mantle:

Oceanic Crust:

Continental Crust:

Plate:

Continental Drift:

Plate tectonics:

Compositional of the Earth

Correctly draw and label the compositional layers of Earth (Core, Crust, and Mantle) and state what elements make up each layer.

Which compositional layer is mostly iron and nickel? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Physical Layers of the Earth

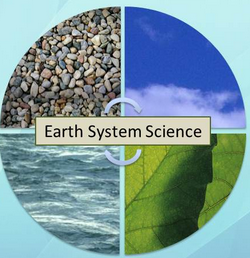
Correctly draw and label the physical layers of Earth (Asthenosphere, Lithosphere, Mesosphere, Inner Core, and Outer Core) and state where each layer is a solid, liquid, or gas.

Which physical layer is the only liquid layer? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which physical layer is considered a plastic like solid? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

There are four spheres of the Earth. What are the names of the four spheres? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For each of the below sections, identify which sphere the picture is representing.



Create your own diagram for the spheres using different pictures then the ones above.

Plate Tectonics

Give 3 pieces evidence for Charles Wegner’s theory of continental drift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Why was Charles Wegner partially wrong? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What evidence is there for plate tectonics?

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What is paleomagnetism? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What were are two types of plates? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which plate type has a greater density? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_