

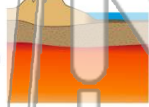


Name _____ Class _____ Date _____

1

The outermost layer of rock on the earth is called the **crust**, which includes the **continental crust** and **oceanic crust**. Why is the **oceanic crust** much thinner than the continental crust, out much **more dense**?

- A it's composed of silica which is high in oxygen and silicon
- B it's composed of basalt which is high in iron and magnesium
- C it's under the ocean
- D it's younger



2

The earth is not a solid ball of rock. It is actually layers of rock material.

The earth's layers, in order from the center to the surface are _____.

- A the crust, the core, the mantle
- B the core, the crust, the mantle
- C the core, the mantle, the crust
- D the mantle, the core, the crust

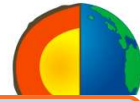


3

In this cross-section of the earth, notice the different layers: **core**, **mantle**, and **crust**. Each layer is a different composition; the crust has silica and the core is predominantly _____.

4

Since it is impossible to **physically see** the internal structure of the earth, **how do geologists know** that the earth is composed of three distinct layers of material?



5



PREVIEW

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7

The inner core is _____.

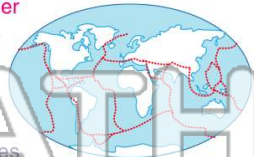
- A the liquid layer of the core
- B the less dense portion of the core
- C solid, and is the densest of earth's layers
- D liquid, and is the densest of earth's layers



relative to each other.

The individual **pieces of crust** that move relative to each other are called _____.

- A crustal pieces
- B tectonic plates
- C mantle plates
- D earthquake plates



9

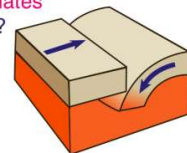
The unified **theory** that pieces of the **lithosphere** (crust and upper portion of the mantle) move around the part of the mantle called the **asthenosphere** is called the theory of _____.

- A continental drift
- B sea-floor spreading
- C plate tectonics
- D transform boundaries

10

One can imagine how two tectonic plates can move away from each other. What happens when **two solid tectonic plates** move **toward** each other?

- A They bunch up and fold into mountains.
- B One moves under the other.
- C They create volcanoes and earthquakes.
- D All of the above are true.





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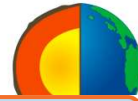


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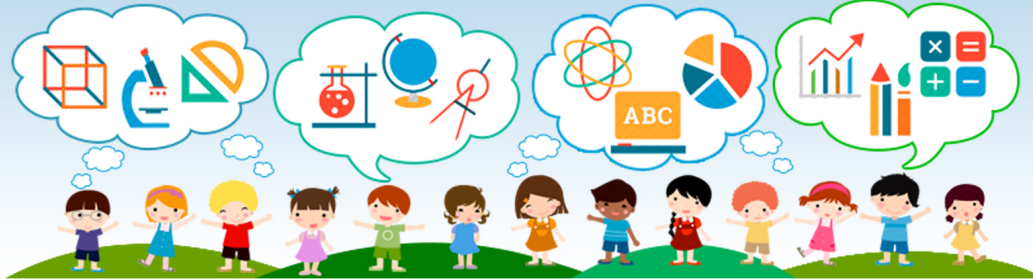
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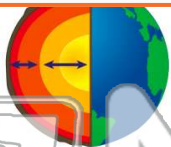
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