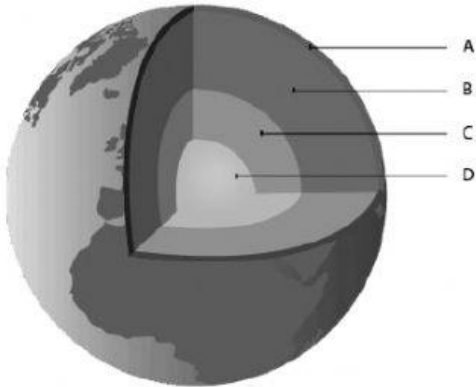


1.

Write the letter that represents each layer of Earth on lines.



- \_\_\_\_\_ Mantle
- \_\_\_\_\_ Inner Core
- \_\_\_\_\_ Crust
- \_\_\_\_\_ Outer Core

The \_\_\_\_\_ is the layer below Earth's crust.

- a. inner core
- b. outer core
- c. mantle
- d. crust

The thick, hot, rocky layer around the outer core is called the

- a. mantle.
- b. inner core.
- c. crust.
- d. atmosphere.

What are the two levels of the innermost layer? (select 2)

- a. Lava
- b. Outer core
- c. Inner Core
- d. Ooblock

Archeologists are scientists who study the Earth, including its composition and structure

True

False

The theory that geological processes happening today explain how the Earth was formed in the past is called

- a. Catastrophism
- b. Uniformitarianism
- c. Big Bang Theory
- d. The Mixed Bag Approach

The theory that huge sudden events led to rapid formation of the Earth - like floods, meteor strikes, tsunamis, etc. is called

- e. Catastrophism
- f. Uniformitarianism
- g. Big Bang Theory
- h. The Mixed Bag Approach

The theory that takes evidence of former theories and works with discoveries being made today to pose how the Earth was formed is called the \_\_\_\_\_ by Mr. Ship.

- i. Catastrophism
- j. Uniformitarianism
- k. Big Bang Theory
- l. The Mixed Bag Approach

What is an inorganic crystalline solid that is mostly a uniform substance called?

\_\_\_\_\_

If a substance found on Earth contains even a small amount of hydrogen or carbon compounds, it is called \_\_\_\_\_

If a substance has never had carbon or hydrogen compounds as part of its composition, or has never been a "living thing", it is called \_\_\_\_\_.

There are about how many types of minerals on Earth?

- a. 3500
- b. 4000
- c. 4500

d. 5000

Much of the Earth's crust is made up of silicates.

True

False

What does the lithosphere include?

- a. Ionosphere and crust
- b. Stratosphere and crust
- c. Core and mantle
- d. Core and crust
- e. Crust and upper mantle

We call the sphere of metal in the center of the Earth the \_\_\_\_\_

Match the identifying properties with the term scientists use when describing minerals?

Luster

Fracture

Crystal structure

Hardness

Density

cleavage

Streak

Color

a. How a mineral breaks

b. Depends on the chemical composition, increases with higher mass

c. Arrangement into different geometric shapes

d. How well a mineral resists scratching

e. Type of fracture a mineral tends to split into

f. The way a mineral's surface reflects light

g. The color of a mineral's powder

h. This property depends on chemical composition

Which of the following minerals is the hardest on Mohs' hardness scale?

- a. talc
- b. gypsum
- c. diamond
- d. Quartz

Quartz belongs to which of the following classes of minerals?

- a. halide
- b. sulfide
- c. carbonate
- d. silicate

Match each specific mineral to its corresponding property

- |              |   |
|--------------|---|
| Magnetite    | a. Gives off visible light under UV light   |
| Calcite      | b. Becomes electrically charged when heated |
| Iceland spar | c. is attracted by a magnet                 |
| Tourmaline   | d. Reflects light in two different ways     |
| Flourite     | e. Easily dissolved by acids                |

Why don't the salt deposits under 3 of the Great Lakes dissolve away?

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Which direction are the Niagra Falls moving?

Upstream

Downstream

Which 2 Great Lakes can not be explained by the ice sheet theory, and why not?

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What might happen to the Great Lakes in the future?

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