**Crust & Continents QUIZ**

1. TRUE or FALSE: Continental crust has a higher average density that oceanic crust.

1. True
2. False

A picture containing text, antenna

Description automatically generatedWhich diagram best represents:

A.

2. A converging plate boundary \_\_\_\_\_

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B.

3. A diverging plate boundary \_\_\_\_\_

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C.

**Oceanic crust ranges in age from 0 to 280 million (280,000,000) years old. The Earth is about 4.5 billion (4,500,000,000) years old. Why is oceanic crust relatively young compared to the age of Earth?**

4. Which TWO model statements would be BEST to include in your answer? CIRCLE TWO.

1. Earth’s crust is broken into big chunks called plates.
2. As oceanic plates diverge, magma flows up, cools, and forms new oceanic crust.
3. New diverging plate boundaries can cause existing land masses to break apart.
4. When two plates converge, the denser plate will go underneath the less dense plate and will eventually melt into magma.

5. Now write your answer in your own words. You may want to include more model ideas than the two you selected above.

**Continental crust ranges in age from 0 to 3.5 billion years old. Why is some continental crust very new, while some continental crust is billions of years old?**

6. Which TWO model statements would be BEST to include in your answer? CIRCLE TWO.

1. Once continental crust forms on Earth’s surface, it can’t sink again because of its density.
2. The total amount of continental crust on Earth slowly increases over time.
3. As oceanic plates diverge, magma flows up, cools, and forms new oceanic crust.
4. Subducting oceanic plates produce magma which can rise to the surface and form new continental crust.

7. Now write your answer in your own words. You may want to include more model ideas than the two you selected above.

**How did the continents form?**

8. Which TWO model statements would be BEST to include in your answer? CIRCLE TWO.

1. Plates can be moving away from each other, toward each other, or sliding along each other.
2. Converging plates can cause continental crust to accumulate into larger and larger land masses.
3. Once continental crust forms on Earth’s surface, it can’t sink again because of its density.
4. When two plates converge, the denser plate will go underneath the less dense plate and will eventually melt into magma.

9. Now write your answer in your own words. You may want to include more model ideas than the two you selected above.