Physical Processes Notebook Test

**Directions**: Answer the following questions on both your scantron and on your quiz. Use your social studies knowledge to answer each question. DO NOT LEAVE ANY BLANK!

1. \_\_\_\_\_ When thinking about the layers of the Earth, which layer is a solid metal spinning ball?

A. The Inner Core B. The Mantle

C. The Crust D. The Outer Core

2. \_\_\_\_\_ Which of the following is a true statement?

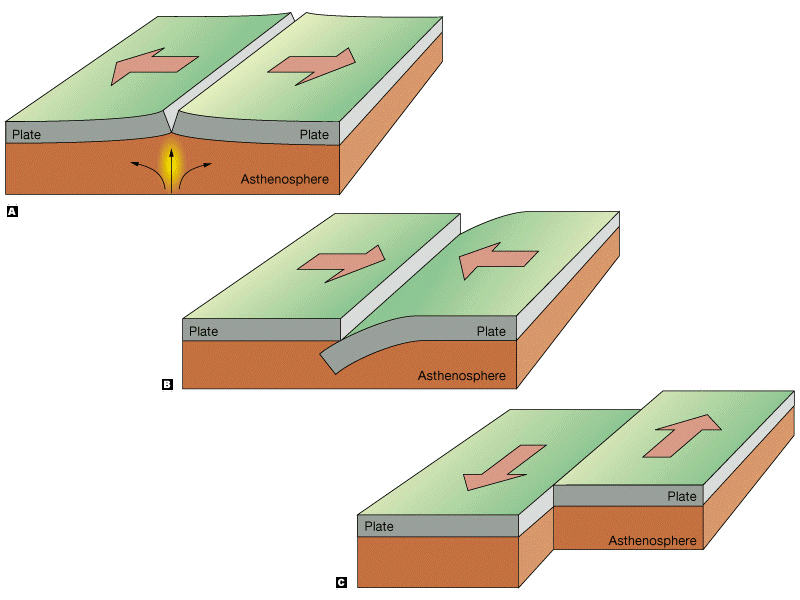
A. Earths plates only move away from each other, never towards each other.

B. Oceanic Crusts are heavier than continental crusts.

C. Earths plates are in the same spot that they were in millions of years ago.

D. The Earth is made up of one single solid plate.

Using the images below, answer questions 3-5



**Image 3**

**Image 2**

**Image 1**

3.\_\_\_\_\_ Image one is a representation of which type of plate boundary movement?

A. Transform B. Divergent

C. Convergent D. Subvergent

4.\_\_\_\_\_ Image 3 is a representation of which type of plate boundary movement?

A. Transform B. Divergent

C. Convergent D. Subvergent

5.\_\_\_\_\_When two plates come together, like image 2, which type of landform is most likely to be created?

A. Valley B. Trench

C. Desert D. Mountains

6.\_\_\_\_\_ Hydrogen, Carbon, and Nitrogen would be found in which sphere of the Earth?

A. Atmosphere B. Hydrosphere

C. Lithosphere D. Biosphere

7.\_\_\_\_\_ Which of earths spheres is home to living organisms?

A. Atmosphere B. Hydrosphere

C. Lithosphere D. Biosphere

8.\_\_\_\_\_ What would most likely be found in the Lithosphere?

A. Oxygen and Natural Gases

B. Mountains and Earth’s Crust

C. Oceans, streams, and lakes

D. Animals, people, and plants

9. \_\_\_\_\_Which of the following elements would ***not*** be part of the atmosphere?

A. Rain B. The Sun’s Rays

C. Oxygen D. Carbon Gas

10.\_\_\_\_\_What landform has a high elevation and is frozen?

A. Mountain B. Volcano

C. Glacier D. Canyon

11. \_\_\_\_\_Which of the following has the lowest elevation?

A. Plateau B. Island

C. Plains D. Valley

12. \_\_\_\_\_ What results when plates move and shift?

A. The creation of new landforms

B. Earthquakes

C. Volcanic eruptions

D. All of the above

13.\_\_\_\_\_ According to the Theory of Pangea, most scientist’s hypothesis that …

A. Earths plates are moving back together to their original positions

B. Earths plates have never moved in the past.

C. Earths plates did move in the past, but are now stationary and will not continue to move.

D. The earth’s plates are in motion, and over a long period of time have moved around, creating new landforms and major natural disasters.

14. Which of the following is not a many factor that influences latitude and temperature?

A. Ocean currents

B. Altitude

C. Perceptual regions

D. Distance from the large bodies of water

15. The continent of Africa is home to which climate zones? **(May required more than one answer)**

A. Cold

B. Temperate

C. Warm

D. Tropical

16. Fill in the blank with the appropriate information missing.

|  |  |  |
| --- | --- | --- |
| Climate Zone | Latitude | Angel of Sun’s Rays |
| A. Temperate | B. 23.5° to 66.5° North and 23.5° to 66.5° South | C. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

A. Direct or nearly all year round

B. More direct sun in the summer, less direct in the winter

C. Less direct all year round

D. Due to the earth’s axis, it is cold all year round

17. Match the following descriptions to the word bank.

**Word Bank**

A. Volcano

B. Earthquake

C. Hurricane

D. Drought

17.\_\_\_\_\_ Magma, Chamber, Pressure

18.\_\_\_\_\_ Violent Winds, Tropical Storms

19.\_\_\_\_\_ Erosion, Fire Spread, Failure Crops

20.\_\_\_\_\_ Tectonic Plates, Friction, Transform

Extra Credit (5 point) – Answer **only one** of the following question using complete sentences and using details. A minimum of **5 sentences** is required to receive full credit.

1. What is the Ring of Fire and explain how does it affect people and Earth?

2. Why do people migrate to other places? Be specific and use examples.