

Dynamic Planet Division C - Macomb County Workshop Test - January 16th, 2021

1. (1.00 pts) The Coriolis Effect is ...

- A) Caused when earth, moon, and sun align
- B) Layer where density gradient is the greatest in a body of water
- C) Causes a different climate than would otherwise be expected in Peru
- D) Caused when the sun and moon make a right angle with earth
- E) Deflection caused by the rotation of earth

2. (1.00 pts) The Neap Tide is...

- A) Caused when earth, moon, and sun align
- B) Layer where density gradient is greatest in a body of water
- C) Causes a different climate than would otherwise be expected in Peru
- D) Caused when the sun and moon make a right angle with the Earth
- E) Deflection caused by the rotation of the Earth

3. (1.00 pts) The Spring Tide ...

- A) Caused when earth, moon, and sun align
- B) Layer where the density gradient is the greatest in a body of water
- C) Causes a different climate than would otherwise be expected in Peru
- D) Caused when the sun and moon make a right angle with the Earth
- E) Deflection caused by the rotation of the Earth

4. (1.00 pts) A Gulf Stream is

- A) Has a pressure over 1000 atmosphere
- B) A bridge of sediment that connects an island to the mainland
- C) A warm current responsible for Cyclone formation
- D) Flat top submerged seamount
- E) Most level place on Earth

5. (1.00 pts) The Marianas Trench is ...

- A) Has a pressure over 1000 atmosphere
- B) A bridge of sediment that connects an island to the mainland
- C) A warm current responsible for Cyclone formation
- D) Flat top submerged seamount
- E) Most level place on earth

6. (1.00 pts) A Tombolo is ...

- A) Has a pressure over 1000 atmosphere
- B) A bridge of sediment that connects an island to the mainland
- C) A warm current responsible for Cyclone formation
- D) Flat top submerged seamount
- E) Most level place on Earth

7. (1.00 pts) Which of the following would NOT be associated with continental oceanic plate convergence?

- A) Subduction
- B) Island Arc
- C) Volcanic Mountains
- D) Trench
- E) Ridge

8. (1.00 pts) Which of the following would NOT be associated with a passive continental margin?

- A) Depositional Coasts
- B) Large continental shelf
- C) Trench
- D) continental rise
- E) sediments

9. (1.00 pts) Which of the following would not cause a Tsunami?

- A) Strong winds
- B) Underwater Earthquake
- C) Land Slide
- D) Volcanic Eruption
- E) Large Meteorite

10. (1.00 pts) How large is the Pacific Ocean?

- A) Large enough to fit Asia
- B) Large enough to fit Eurasia
- C) Large enough to fit Eurasia and Africa
- D) Large enough to fit all the continents and still have room to spare

11. (1.00 pts) The majority of the world's earthquakes are found along which type of fault...

- A) Divergent
- B) Convergent
- C) Transform
- D) All of the above
- E) None of the above

12. (1.00 pts) The Oceanic crust is mainly composed of _____ and the Continental crust of _____?

Basalt

Granite

13. (1.00 pts) Manganese nodules are examples of _____ sediments?

Hydrogenous

14. (1.00 pts) _____ are an example of a microscopic, photosynthetic, silica-secreting organism.

Diatoms

15. (1.00 pts) The deepest part of the sea is called _____?

trench

16. (1.00 pts) A flooded river valley is a(n) _____?

estuary

17. (1.00 pts) The age of most Oceanic rock is less than _____ million years old.

200

18. (1.00 pts) What is a flat-topped seamount called?

Expected Answer: Guyot

19. (1.00 pts) What does the acronym SONAR stand for?

Expected Answer: Sound Navigation and Ranging

20. (1.00 pts) The Earth's magnetic polarity reverses periodically.

True False

