

GeoLogic Mapping C - GeoLogic Mapping - Region 7 January Workshop - 01-16-2021

This is the GeoLogic Mapping Test for the Region 7 January Workshop

1. (1.00 pts) Which period is characterized by the rise of wood-bearing plants that would later become coal deposits?

- A) Carboniferous
- B) Cambrian
- C) Ordovician
- D) Devonian

2. (1.00 pts) What is the name of the place on a fault where there is increased friction holding the slabs in place?

- A) Orogeny
- B) Asperity
- C) Striation
- D) Lock

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4. (1.00 pts) What type of fault is characterized by both its vertical fault character as well as its curved fault line?

- A) Dip-slip
- B) Strike-slip
- C) Oblique-slip
- D) Listric

5. (1.00 pts) How would you describe an intrusion that formed close to the surface and parallel to the foliation of country rock?

- A) Abyssal,Discordant
- B) Abyssal,concordant
- C) Hypabyssal,concordant
- D) Hypabyssal,discordant

6. (1.00 pts) Which Plate sits at the tip of South America?

- A) South America Plate
- B) Nazca Plate
- C) Scotia Plate
- D) Antarctic Plate

7. (1.00 pts) Which of the following is not evidence of continental drift?

- A) apparent puzzle like construction of continents
- B) age distribution of oceanic crust
- C) fossil distribution
- D) age distribution of continental crust

8. (1.00 pts) Which of these is not a cylindrical map projection?

- A) mercator projection
- B) azimuthal projection
- C) Cassini projection
- D) Gall-peters projection

9. (1.00 pts) What is the boundary between the crust and the mantle?

- A) Moho
- B) aesthenosphere

- C) there is none
- D) iron

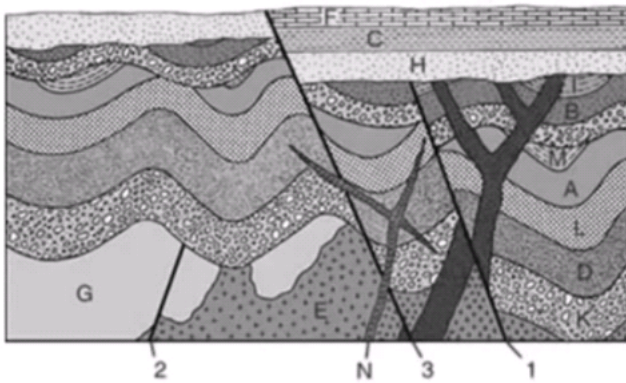
10. (1.00 pts) What is the name of the non-organic molecules that build up in the ocean in low quantity?

- A) oozes
- B) manganese nodules
- C) clays
- D) turbidites

11. (1.00 pts) If you were to take a sample of the oceanic ridge, the bedrock would be

- A) Basalt
- B) Granite
- C) Andesite
- D) Rhyolite

Questions 12- 17 use the below diagram. Layer E was initially colored red.



12. (1.00 pts) Which rock unit is probably the oldest?

- A) D
- B) E
- C) G
- D) K
- E) The oldest rock unit is not given

13. (1.00 pts) Which rock unit is probably the youngest

- A) F
- B) H
- C) N
- D) Unable to be determined

14. (1.00 pts) Which fault is probably the oldest?

- A) 1
- B) 2
- C) 3
- D) The oldest fault is not labeled

15. (1.00 pts) Which intrusion is probably the oldest?

- A) E
- B) G
- C) O
- D) N
- E) two of the above answers are correct

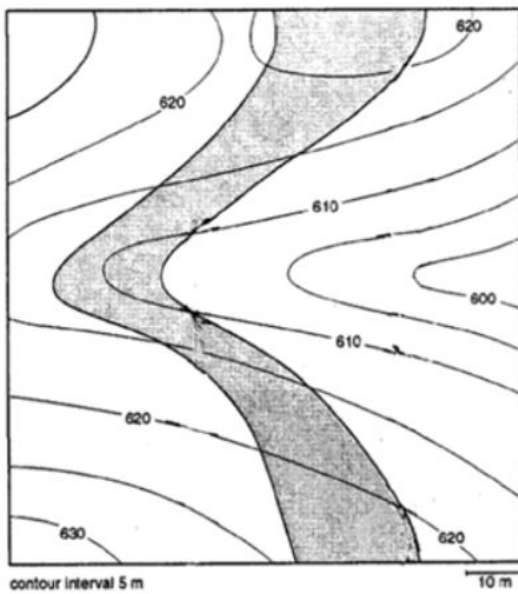
16. (1.00 pts) Unit L is younger than?

- A) A
- B) B
- C) C
- D) D

17. (1.00 pts) An Unconformity exists between

- A) G and K
- B) B and H
- C) H and I
- D) All three of the above pairs are unconformities
- E) Two of the pairs are unconformities

The diagram below is a geologic map showing the intersection of a sandstone layer (grey) with the topography



18. (1.00 pts) In which direction is the sandstone layer tilted/

- A) North
- B) East
- C) South
- D) West

19. (1.00 pts) What is the true dip of this tilted sandstone layer

- A) 10 degrees
- B) 20 degrees
- C) 30 degrees
- D) 40 degrees
- E) 50 degrees

20. (1.00 pts) What is the thickness of the sandstone layer

- A) 1 m.
- B) 2 m.
- C) 5 m.

10m.

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Thanks for participating

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