

Advanced Earth Geography

Earth Science · Practice Test · 20 Questions

1. Which of the following is the deepest point in the Indian Ocean, located in the Java Trench?

- A) Diamantina Deep
- B) Sunda Trench Deep
- C) Java Trench Low
- D) Wallaby-Zenith Fracture

2. The Afar Triple Junction is a geological triple junction where three tectonic plates are diverging. Which three plates meet here?

- A) African, Arabian, and Indian
- B) Nubian, Somali, and Arabian
- C) African, Eurasian, and Anatolian
- D) Nubian, Arabian, and Indian

3. Which desert is the largest cold desert in the world by surface area?

- A) Gobi Desert
- B) Patagonian Desert
- C) Antarctic Desert
- D) Great Basin Desert

4. The 'Ring of Fire' is a major area in the basin of the Pacific Ocean where a large number of earthquakes and volcanic eruptions occur. How many kilometers long is this horseshoe-shaped belt?

- A) 20,000 km
- B) 40,000 km
- C) 60,000 km
- D) 80,000 km

5. Which river has the largest drainage basin in the world by surface area?

- A) Nile
- B) Congo
- C) Yangtze
- D) Amazon

6. What is the name of the highest mountain peak in the Andes outside of the Himalayas?

- A) Mount Huascarán
- B) Mount Aconcagua
- C) Mount Chimborazo
- D) Mount Ojos del Salado

7. The Qattara Depression, which lies below sea level, is located in which country?

- A) Libya
- B) Egypt
- C) Algeria
- D) Tunisia

8. Which geological layer of the Earth accounts for approximately 84% of the Earth's volume?

- A) Crust
- B) Outer Core
- C) Inner Core
- D) Mantle

9. The Sargasso Sea is unique because it is defined by what physical characteristic rather than land boundaries?

- A) Deep ocean currents
- B) Prevailing wind patterns
- C) Ocean gyre currents
- D) Surface water temperature

10. What is the name of the deepest lake in the world, containing roughly 20% of the world's unfrozen surface fresh water?

- A) Lake Tanganyika
- B) Lake Baikal
- C) Lake Vostok
- D) Lake Malawi

11. Which mountain range acts as the traditional dividing line between Europe and Asia?

- A) Caucasus Mountains
- B) Carpathian Mountains
- C) Ural Mountains
- D) Alps

12. The 'Great Rift Valley' is part of a series of contiguous geographic trenches. In which country does it begin or reach its northernmost point?

- A) Syria
- B) Ethiopia
- C) Kenya
- D) Tanzania

13. Which of the following islands is the largest island in the world that is not a continent?

- A) Madagascar
- B) Borneo
- C) New Guinea
- D) Greenland

14. What is the term for the supercontinent that existed during the late Paleozoic and early Mesozoic eras?

- A) Pannotia
- B) Gondwana
- C) Laurasia
- D) Pangaea

15. Which ocean contains the most islands in terms of total count?

- A) Pacific Ocean
- B) Atlantic Ocean
- C) Indian Ocean
- D) Arctic Ocean

16. The Atacama Desert is known for being one of the driest places on Earth. It is primarily located in which country?

- A) Argentina
- B) Bolivia
- C) Chile
- D) Peru

17. Which active volcano is considered the highest in the world by elevation?

- A) Mount Cotopaxi
- B) Mount Ojos del Salado
- C) Mount Fuji
- D) Mount Erebus

18. What is the primary mineral component of Earth's continental crust?

- A) Basalt
- B) Granite
- C) Limestone
- D) Obsidian

19. Which strait separates the continents of Europe and Africa?

- A) Strait of Hormuz
- B) Strait of Malacca
- C) Strait of Gibraltar
- D) Strait of Magellan

20. The 'Dead Sea' is a hypersaline lake located on the border of Jordan and which other entity?

- A) Lebanon
- B) Israel and the West Bank
- C) Syria
- D) Egypt