

Natural Disasters Knowledge Quiz

Earth Science · Practice Test · 20 Questions

1. What is the point on the Earth's surface directly above where an earthquake originates?

- A) Epicenter
- B) Fault line
- C) Focus
- D) Seismic zone

2. Which scale is commonly used to measure the magnitude of an earthquake?

- A) Beaufort Scale
- B) Richter Scale
- C) Saffir-Simpson Scale
- D) Fujita Scale

3. What is a long, high sea wave caused by an earthquake or volcanic eruption called?

- A) Tidal bore
- B) Rip current
- C) Tsunami
- D) Storm surge

4. Which type of volcano is characterized by wide, gentle slopes formed by fluid lava flows?

- A) Cinder cone
- B) Composite volcano
- C) Shield volcano
- D) Lava dome

5. What do meteorologists call a tropical cyclone with wind speeds exceeding 119 kilometres per hour?

- A) Thunderstorm
- B) Hurricane
- C) Monsoon
- D) Tornado

6. What is the primary instrument used to detect and record earthquake vibrations?

- A) Barometer
- B) Anemometer
- C) Seismograph
- D) Hygrometer

7. In which layer of the Earth do most earthquakes occur?

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

8. What term describes a period of abnormally dry weather that lasts long enough to cause water shortages?

- A) Drought
- B) Heatwave
- C) Desertification
- D) Erosion

9. What is the name of the 'ring' of high volcanic and seismic activity surrounding the Pacific Ocean?

- A) The Pacific Belt
- B) The Ring of Fire
- C) The Tectonic Zone
- D) The Volcanic Arc

10. Which scale is used to classify the intensity of tornadoes?

- A) Enhanced Fujita Scale
- B) Richter Scale
- C) Mercalli Scale
- D) Saffir-Simpson Scale

11. What is the term for a rapid downslope movement of rock, soil, and vegetation?

- A) Avalanche
- B) Landslide
- C) Earthquake
- D) Subsidence

12. What type of natural disaster is characterized by a violent, rotating column of air in contact with the ground?

- A) Cyclone
- B) Tornado
- C) Typhoon
- D) Blizzard

13. Which of these is the most common cause of a forest fire in nature?

- A) Lightning
- B) Volcanic activity
- C) Animal activity
- D) Soil friction

14. What refers to the overflow of water onto land that is usually dry?

- A) Tsunami
- B) Flooding
- C) Inundation
- D) Saturation

15. What is the name of the molten rock that is found beneath the Earth's surface?

- A) Lava
- B) Ash
- C) Magma
- D) Tephra

16. Which natural disaster occurs when snow, ice, and rock move rapidly down a mountain slope?

- A) Mudslide
- B) Avalanche
- C) Rockfall
- D) Glacial retreat

17. What is the term for the boundary where two tectonic plates move away from each other?

- A) Convergent boundary
- B) Transform boundary
- C) Divergent boundary
- D) Subduction zone

18. Which of these is a secondary effect of a large earthquake?

- A) Tsunami
- B) Rainfall
- C) High tide
- D) Temperature drop

19. What is the main gas released by a volcanic eruption that can temporarily cool the global climate?

- A) Oxygen
- B) Sulfur dioxide
- C) Methane
- D) Helium

20. What is the term for the shaking of the Earth's crust caused by the sudden release of energy?

- A) Tectonic shift
- B) Earthquake
- C) Volcanic tremor
- D) Plate drift