

CHAPTER 3 INTERIOR OF THE EARTH

1. waves vibrate parallel to the direction of the wave.

- (a) P-waves (b) S-waves (c) Surface waves (d) L-wave

Answer : (a) P-waves

2. The interior of the earth can only be understood by _____

- (a) Direct methods (b) Indirect methods (c) Both the indirect and direct methods (d) None of the Above

Answer : (c) Both the indirect and direct methods

3. is sometimes referred to as the nife layer.

- (a) Crust (b) Mantle (c) Core (d) Sial

Answer : (c) Core

4. Volcanoes are

- (a) indirect source of information about the earth's interior.
(b) direct source of information about the interior of the earth.
(c) not a source of information about the interior of the earth.
(d) good source to ascertain earth's temperature.

Answer : (b) direct source of information about the interior of the earth.

5. Which one of the following describes the lithosphere?

- (a) Sial and sima (b) Crust and upper mantle (c) Crust and core (d) Mantle and core

Answer:(b) Crust and upper mantle

6. The magnitude of an earthquake is measured in

- (a) Richter Scale (b) Mercalli scale (c) Measuring scale (d) Seismograph

Answer:(a) Richter Scale

7. Magma refers to _____

- (a) Rocks (b) Material in the upper mantle (c) Material in the upper core (d) Material in the crust

Answer : (b) Material in the upper mantle

8. Which of the following is the most destructive earthquake waves?

- (a) P-waves (b) S-waves (c) Surface waves (d) L-wave

Answer : (c) Surface waves

9. What is the thickness of the earth's crust in the Himalayan region?

- (a) 75 kms (b) 60 kms (c) 70 kms (d) 65 kms

Answer : (c) 70 kms

10. An instrument used to record earthquake waves.

- (a) Seismograph (b) Barograph (c) Pantograph (d) Ergograph

Answer : (a) Seismograph

11. The upper portion of the mantle is known as

- (a) Asthenosphere (b) Crust (c) Lithosphere (d) Atmosphere

Answer : (a) Asthenosphere

12. Which one of the following is an indirect source of the information about the interior of the Earth?

- (a) Earthquake waves (b) Volcanoes (c) Mining (d) Drilling Projects

Answer : (a) Earthquake waves

13. Identify the mean density of material in oceanic crust is

- (a) 3 g/cm³ (b) 2.7 g/cm³ (c) 4 g/cm³ (d) 5 g/cm³

Answer : (b) 2.7 g/cm³

14. What is the approximate depth of the mantle?

- (a) 2400 km (b) 2900 km (c) 3200 km (d) 3500 km

Answer : (b) 2900 km

15. The Deccan trap is a large

- (a) flood plain (b) flood basalt province (c) alluvial plain (d) shield volcano

Answer : (b) flood basalt province

16. What is the average thickness of the continental crust?

- (a) 10 km (b) 30 km (c) 400 km (d) 100 km

Answer:(b) 30 km

17. What is the mean thickness of oceanic crust?

- (a) 5 km (b) 30 km (c) 10 km (d) 70 km

Answer : (a) 5 km

18. The intensity of an earthquake is measured in

- (a) Richter Scale (b) Mercalli scale (c) Measuring scale (d) Seismograph

Answer : (b) Mercalli scale