

Directed Reading A continued**HOW DO EARTHQUAKES TRAVEL?**

- ____ 19. Seismic waves that travel through Earth's interior are
 a. surface waves.
 b. body waves.
 c. earth waves.
 d. secondary waves.
- ____ 20. Seismic waves that travel along Earth's surface are
 a. surface waves.
 b. body waves.
 c. earth waves.
 d. secondary waves.
- ____ 21. Which of the following is a type of body wave?
 a. surface wave
 b. S wave
 c. R wave
 d. convergent wave
- ____ 22. Which of the following is the fastest type of seismic wave?
 a. surface waves
 b. body waves
 c. S waves
 d. P waves
- ____ 23. Waves that travel through solids, liquids, and gases are
 a. surface waves.
 b. S waves.
 c. P waves.
 d. convergent waves.
- ____ 24. Another name for a pressure wave is
 a. convergent wave.
 b. surface wave.
 c. primary wave.
 d. secondary wave.
- ____ 25. Which of the following is another name for an S wave?
 a. secondary wave
 b. P wave
 c. surface wave
 d. primary wave
- ____ 26. An S wave is unable to travel through
 a. solid.
 b. liquid.
 c. gas.
 d. rock.
- ____ 27. How many types of surface waves are there?
 a. one
 b. two
 c. three
 d. four
- ____ 28. What does the speed of a seismic wave depend on?

____ 29. Which are always the first waves of an earthquake to be detected?

____ 30. Which type of wave always arrives second?

Directed Reading A continued

____ 31. How are surface waves different from body waves?

____ Match the correct definition with the correct term. Write the letter in the space provided.

- ____ 32. wave of energy that travels through Earth, away from an earthquake in all directions
 a. S wave
 b. seismic wave
 c. P wave
- ____ 33. seismic wave that causes particles of rock to move in a back-and-forth direction
 a. S wave
 b. seismic wave
 c. P wave
- ____ 34. seismic wave that causes particles of rock to move in a side-to-side direction
 a. S wave
 b. seismic wave
 c. P wave