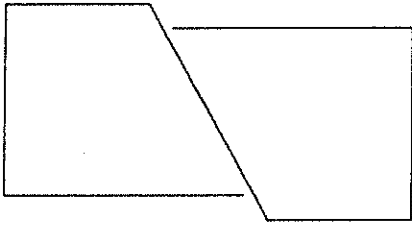


### What are Earthquakes?

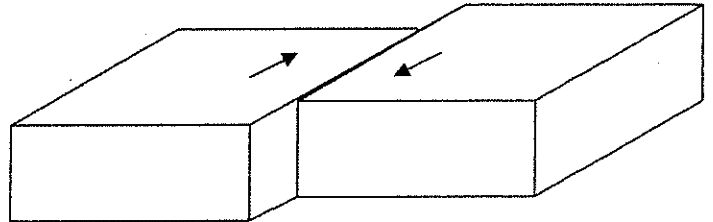
1. \_\_\_\_\_ is the study of earthquakes.
2. Most earthquakes take place near the edge of \_\_\_\_\_.
3. Pg 196, figure 1, The most active earthquake zone lies along the boundaries of the \_\_\_\_\_ also known as the \_\_\_\_\_.
4. How often do earthquakes occur? \_\_\_\_\_.
5. \_\_\_\_\_ is a break in the earth's crust along which blocks slide.
6. \_\_\_\_\_ the change in shape of the rock due to stress.
7. \_\_\_\_\_ is the sudden return of deformed rock back to its original shape and this causes an earthquake. (like a stretched rubber band snapping)
8. Are all earthquakes the same?



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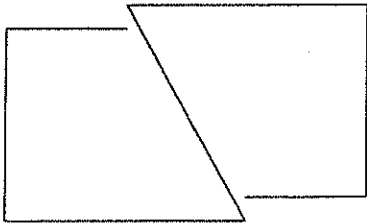
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9. \_\_\_\_\_ are waves of energy that travel through the earth.

10. Body Waves ( \_\_\_\_\_ ) travel through the earth's interior.

11. \_\_\_\_\_ (Primary or Pressure Waves)

- Travel through solids and liquids
- Travel the fastest
- Move back-n-forth in a squeeze to stretch position
- Pg 200, figure 4

12. \_\_\_\_\_ (Secondary or Shear Waves)

- Travel through solids
- Second fastest
- Pg 200, figure 5

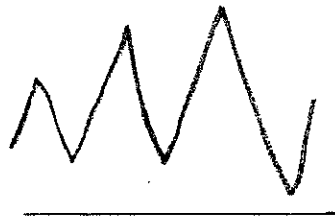
13. \_\_\_\_\_

- Travel on surface
- Move the ground up and down
- Slowest, but most destructive
- Pg 201, figure 6

## Earthquake Measurement

14. \_\_\_\_\_ is an instrument used to record seismic waves.

15. \_\_\_\_\_ is the paper tracing of the earth's movement.



16. \_\_\_\_\_

17. \_\_\_\_\_ is the point on the surface above the earthquake starting point.

18. \_\_\_\_\_ is the point inside the earth where the quake begins.



19. \_\_\_\_\_ is the measure of the earthquake strength on a scale 1-10

20. \_\_\_\_\_ is weak and \_\_\_\_\_ is very destructive.

21. \_\_\_\_\_ is a giant sea wave caused by movement in the ocean floor.  
Pg 376, figure 16