

# Earthquake Notes

1. Draw arrows to show the direction of movement of the three plate boundary types:

Convergent	Divergent	Transform

2. Draw arrows to explain the three stress types associated with earthquakes.

Compressional Stress	Tensional Stress	Shear Stress

3. There are three different types of faults: Normal, Reverse and Strike-Slip. What causes each of the faults to form or occur?

Fault	Type of Stress	Description	Boundary Type
Reverse			
Normal			
Strike-Slip			

4. How do earthquakes transfer energy to the surface of the earth?

5. What is the point beneath the earth's surface called where the actual breaking occurs in an earthquake?

6. What is the point on the earth's surface called where the earthquake occurs?

Fill in the table below about earthquake waves.

Earthquake Waves	Primary Waves (P)	Secondary Waves (S)	Love Waves (L)	Rayleigh Waves <sup>®</sup>
Arrival Order				
What states of matter can the wave travel through?				
Draw and describe the wave movement				

7. What instrument is used to measure an earthquake? \_\_\_\_\_

8. Who is the scientist that studies earthquakes? \_\_\_\_\_