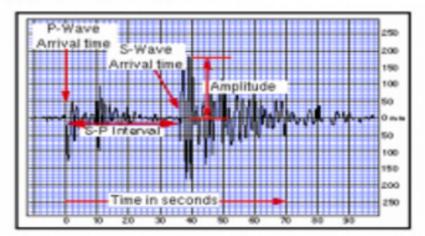
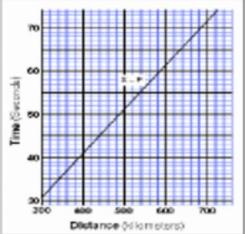
## LOCATING THE EPICENTER OF AN EARTHQUAKE NOTES

This is a seismograph taken from a seismometer:



- P waves reach the seismometer at a specific location first then follow the S waves.
  - a. In the example above, what is the time difference between P and S waves?
- The time difference between P and S waves determine the distance from the Epicenter.



- 3. Using the time from the difference between P and S waves, what is the distance of the seismometer from the earthquake?
- The Epicenter is the point where the earthquake occurs directly above the focus point.
- Focus point is where the earthquake actually occurs (where the ground releases energy).

**#LIVEWORKSHEETS**