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| **Doc 1: trilateration of the epicenter thanks to 3 towns : Las Vegas; Eureka and Elko** | **Doc 2 : some definitions and information….****Fault or fault plane** = the surface where when two blocks of the earth suddenly slip past one another**Hypocenter** = the location below the earth’s surface where the earthquake starts**Epicenter** = the location on the surface of the earth directly above the hypocenter fault_labeled.gif |
| **Doc 3: recording of a seismographs**seismic_waves.gifA way to determine the distance in kilometers from your location to the epicenter is to take the difference in arrival time of the P wave and the S wave in seconds and multiply by 8... Seismogram.gif |

**TASK :** **Your are a TV consultant in California, and your job is to explain to the population what an earthquake is; how to measure its strength; how to find the location of an epicenter, and the consequences of earthquakes on human beings thanks to your knowledge of waves and the documents given.**