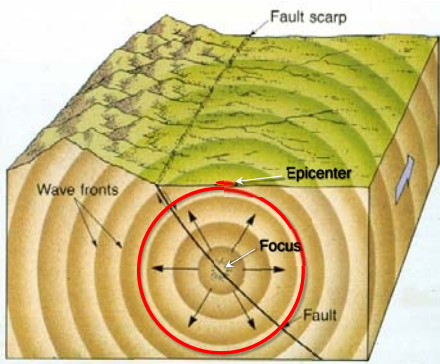
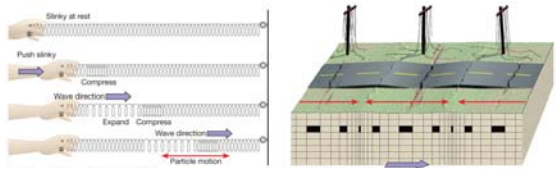


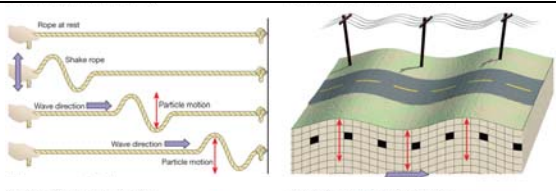
Earthquakes occur along faults and radiate seismic energy from the focus.



P-waves

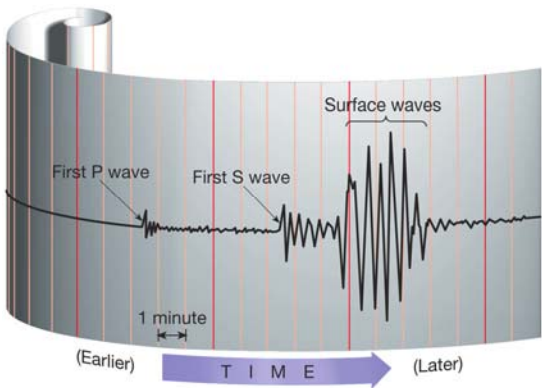


S-waves

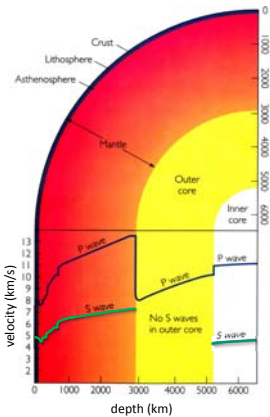


[seismic wave animation](#)

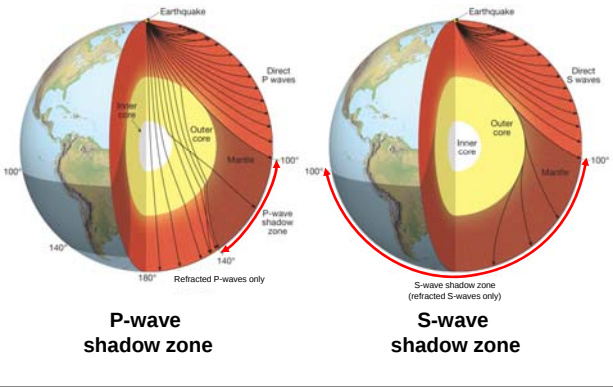
Seismograms record ground motion.



Density and mineralogy control the speed of seismic waves.



Shadow zones define the diameter of Earth's outer core.



The Richter Scale attempts to model the amount of energy released by an earthquake.

