

Day 3 Earthquake waves

Objective- students will locate the epicenter of an earthquake.

Bell Ringer- get out your magnetic polarity lab from last class. Show me your #7 and #8

See key for answers

Notes

Earthquake- shaking of earth's crust due to release of energy

Elastic rebound- aftershocks

Focus- actual place where energy is released

Epicenter – location on surface above the focus

P waves – fast moving compression (like a punch)

S Waves – slower side to side

L Waves – up and down (usually only near epicenter)

Shadow Zone- area where seismic waves are not detected.

Flash animation

http://www2.wwnorton.com/college/geo/egeo/flash/8_3.swf

Lab

Use pages 114 – 115 blue text

Demo how to use compass

Discuss lab and answer questions

Exit Bell Ringer- (draw s and p wave line with time line)

Which is the S wave and which is the P?

How far away is the epicenter?