

Geology 100

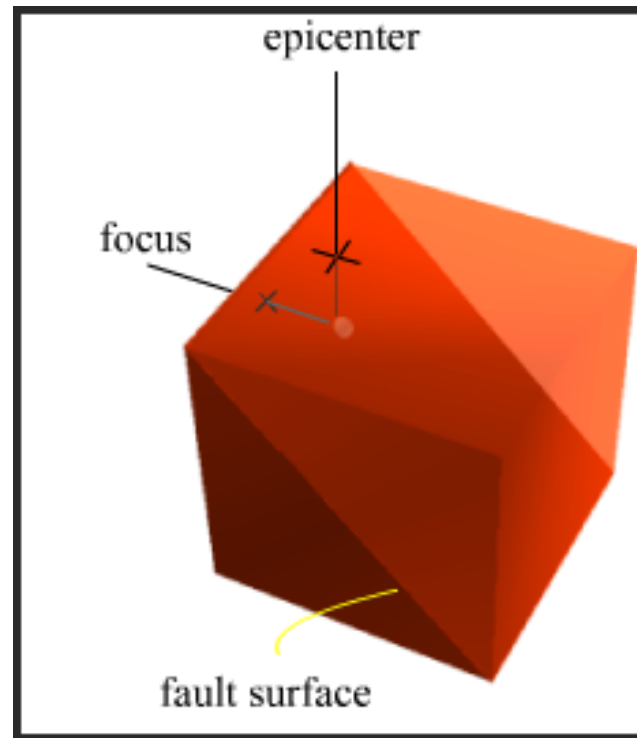
Notes on Planet Earth version 3.0

Review - Exam 4

Chapter 12

What is an earthquake?

- Focus or hypocenter
- Epicenter

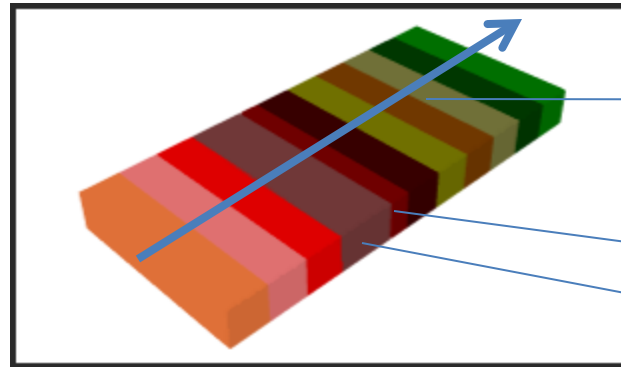


Seismic waves

- Body
- Surface

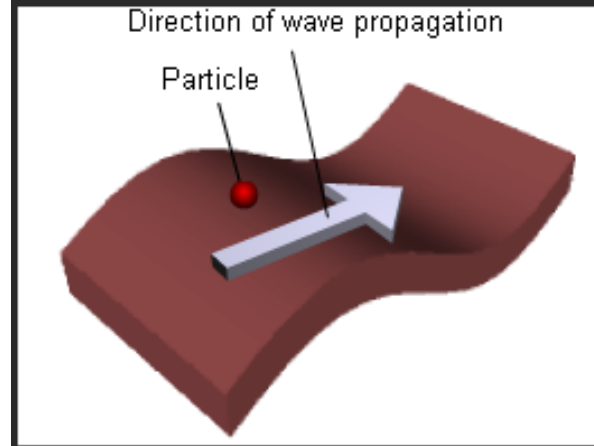
Body waves

- P waves
- S waves



Direction of wave propagation

contracting
expanding

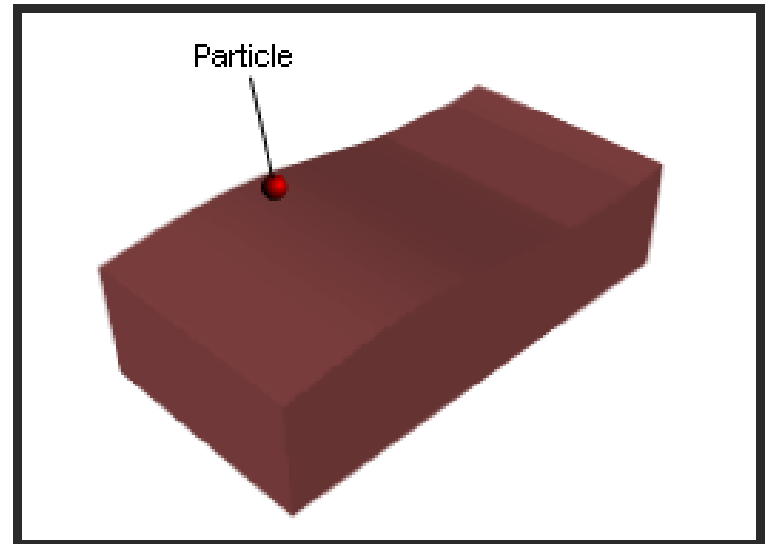
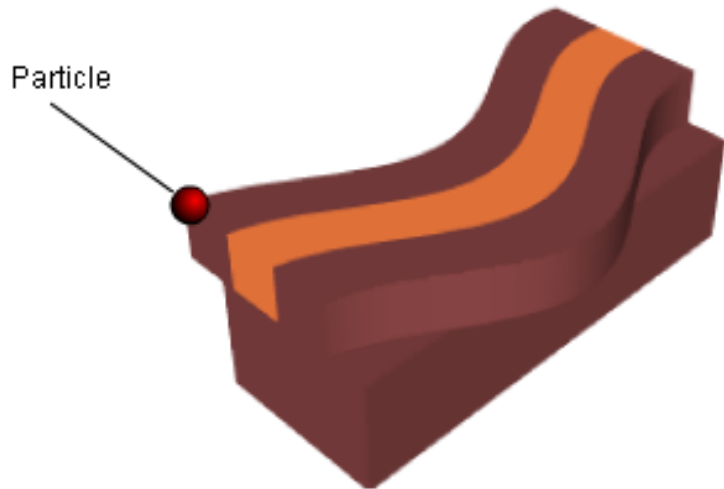


Direction of wave propagation

Particle

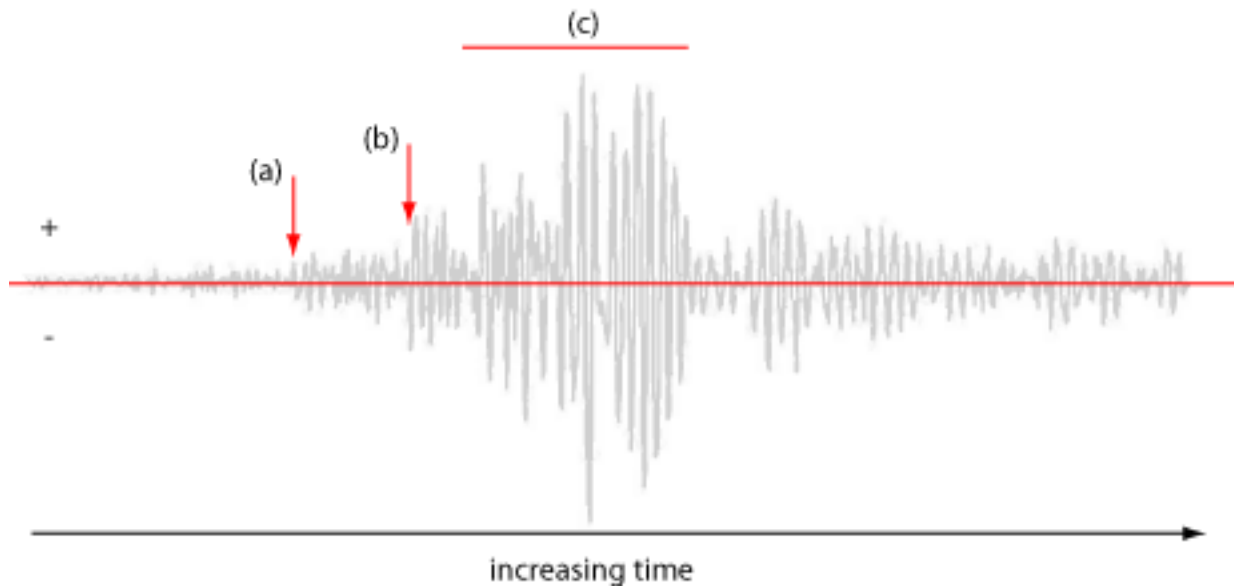
Surface waves

- Rayleigh
- Love



Seismic recording stations

- Order of wave arrival



Earthquake magnitude

- Richter
- Moment

Modified Mercalli Scale

- I to XII
- Effects on people
- Effects on structures (buildings, roads, etc.)