

Types of Waves

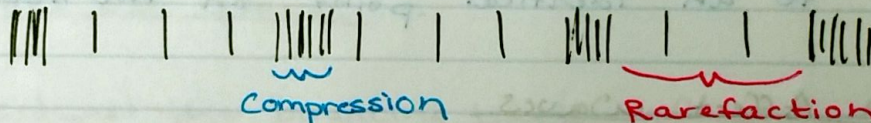
Wave: is a disturbance that moves energy through matter or space (medium)

Medium: the substance a wave travels through

The ENERGY of waves moves, the MEDIUM does not (particles may move side to side or up and down, but don't travel with the energy)

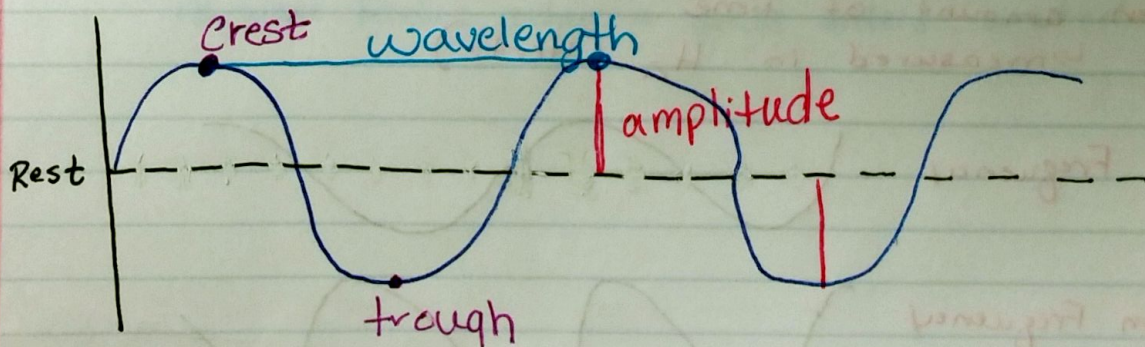
Two Types of Waves

1. Longitudinal / Compression Waves



Examples: sound waves, tsunami waves, P-waves during earthquakes, interior waves in water

2. Transverse waves



Examples: electromagnetic waves, guitar string, S-waves during earthquakes, surface water waves