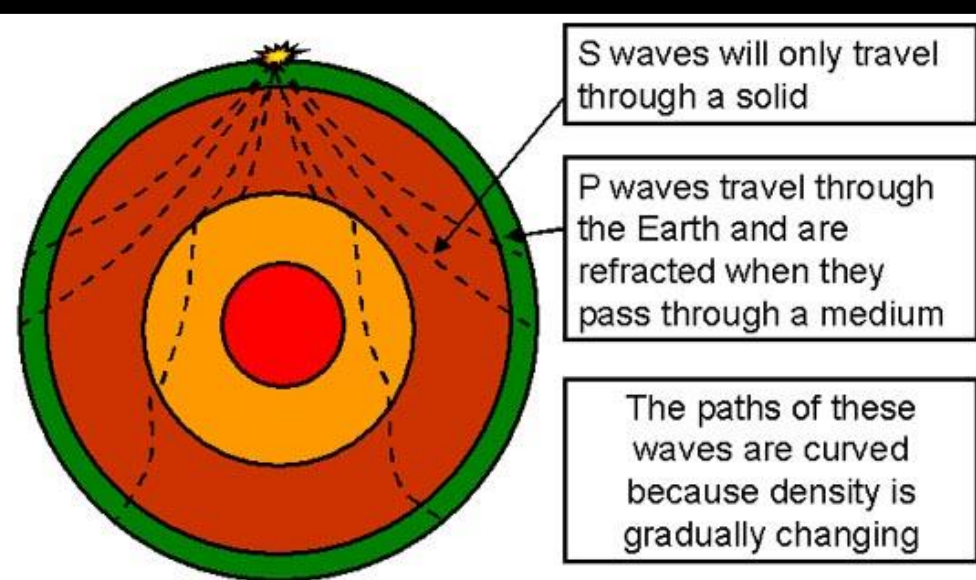


Physics topic P12 : Waves Triple higher only

Uses of ultrasound (HT PHYSICS ONLY)

Use	How it works
Cleaning jewellery	The vibrations of the wave shake the dirt loose
Scanning the human body	The waves are partially reflected at different tissue boundaries
Industrial imaging	The waves can detect flaws in metal castings as they are partially reflected by cracks
Physiotherapy	Energy from the wave is absorbed by body tissue and relieves pain

Seismic waves produced by earthquakes (HT PHYSICS ONLY)



Sound waves

Sound key terms

Pitch	How it works
Amplitude	The vibrations of the wave shake the dirt loose
Oscilloscope	The waves are partially reflected at different tissue boundaries
20-20000 Hz	Range of human hearing

