## Physics topic P12 : Waves

Keywords	
Transverse wave	A wave where the vibration is perpendicular to the direction of travel
Longitudinal wave	A wave where the vibrations are parallel to the direction of travel
Mechanical wave	A vibration that travels through a substance (e.g. sound)
Frequency	The number of wave fronts passing a fixed point every second (measured in Hz)
Period	The time for one complete wave
Amplitude	The vibrations of the wave shake the dirt lose
Superposition	When two waves meet and affect each other
Reflection	When waves bounce off a surface
Echo	Reflection of sound that can be heard



3. Wave equation		
$v = f\lambda$		
ν	Wave speed (m/s)	
f	Frequency (Hz)	
λ	Wave length (m)	

be **<u>reflected</u>**?

Can they be

absorbed?



shiny surfaces

Yes. Rough surfaces

absorb sound

Yes. By dark

surfaces