

Notes for Discussion of Waves

Bernoulli Effect:

Suspension of ball with blowing air, wind generation of ocean waves, flapping flags

Wave: Rope, Slinky, Perfect Storm, Superposition, Tsunamis, Diffraction

Frequency, Wavelength, Amplitude, Energy, $1/r^2$ (3D), $1/r^1$ (2D), and $1/r^0$ (1D) laws

Sound Waves: Beat Frequency, Interference,

Electromagnetic Waves: Radio, Microwave, Infra-red, Visible light, Ultraviolet, X-Rays, Gamma Rays