
1. plane mirror	a flat mirror
2. propagate	to travel through a medium or space
3. pulse	a single disturbance
4. rarefaction	the region in a longitudinal wave where the particles are spread out further than their equilibrium positions
5. ray	a line drawn at right angles to a wave front
6. reflection	the bouncing back of a wave or particle from a boundary
7. refraction	the bending of a wave as it passes from one medium into another, resulting from a change in speed of the wave in the two media
8. refractive index	the ratio of the sine of the angle of incidence to the sine of the angle of refraction, for a wave travelling from one medium into another
9. Snell's law	a law relating the angle of incidence to the angle of refraction; $n = \sin i / \sin r$
10. superposition	the combination of two or more waves by adding their displacements to produce a resultant wave
11. total internal reflection	the reflection of all the light falling on a boundary when the angle of incidence exceeds the critical angle
12. transverse wave	a wave in which the particles vibrate at right angles to the direction of energy transfer
13. trough	a region of downwards displacement in a transverse wave
14. ultraviolet	electromagnetic waves with wavelengths shorter than violet light
15. velocity	the speed of a wave in the direction of energy transfer
16. volume	the degree of loudness of a sound
17. wave	a carrier of energy; does not transfer matter
18. wavefront	a line joining points in phase on a wave
19. wavelength	the distance between two corresponding successive points on a wave
20. x-ray	high frequency electromagnetic waves of high penetration
