transparent

allows all light to pass through, casts no shadow

translucent

allows some light to pass through, casts a fuzzy shadow

opaque

allows no light to pass through, casts a dark shadow

crest

the highest point on a wave

trough

the low area between waves

reflection

the bouncing back of light waves

refraction

the bending of light waves

wavelength

the distance crest to crest, or 2 like areas, on a wave

frequency

the number of times a wave is repeated in a time period

pitch

the highness or lowness of a sound

compression

an area where sound waves are pressed together

rarefaction

an area where sound waves are spread apart

visible light spectrum

the part of the electromagnetic spectrum that most humans can see

echolocation

using sound waves to locate objects

vacuum

a place where there is no matter

vibration

a complete crest and complete trough on a wave