

B	I	N	G	O
When light hits an object and does not pass through creating a shadow what type of material is that object?	A black car becomes very hot in the sunlight because it takes in most of the light energy. What process is occurring?	A wooden door completely blocks sunlight from entering a room. What type of material is the door?	The highest point on a transverse wave diagram. What is it called?	Light slows down and changes direction as it moves from air into water. What is happening?
A wave that can travel through empty space without a medium. What type of wave is this?	When light hits an object three things can happen. Name one of the	Sound travels through the air and requires particles to move back and forth. What type of wave is this?	A flashlight beam hits a mirror and bounces straight back toward you. What is happening?	The height of a wave from the rest position to the crest. What is this called?
Waves spread out after passing through a small opening in a wall. What is this behavior called?	You can see blurry shapes through a shower curtain. What type of material is the curtain?	FREE	A prism separates white light into a rainbow of colors. What wave behavior is responsible?	In a sound wave particles are spread far apart. What is this region called?
In a sound wave particles are squeezed close together. What is this region called?	The number of waves that pass a point in one second. What is this called?	Light passes straight through a piece of clear plastic. What is this called?	Gamma rays have the highest energy on the electromagnetic spectrum. What does this mean about their frequency?	Radio waves have the longest wavelength. What does this mean about their energy?
As frequency increases what happens to wavelength?	A straw looks bent when placed in a glass of water. What wave behavior is causing this?	The distance from one crest to the next crest. What is this measurement called?	You can see clearly through a clean window. What type of material is the window?	A white shirt stays cooler in sunlight because it reflects most of the light. What behavior is occurring?

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