Light and "WAVES"!!!

There's still more to know about light...here's a bit more!

1. WAVES					
Α	wave t	hat requires a m	edium (matter) t	to travel	
Exa	A wave that requires a medium (matter) to trave Examples are an wave and waves				
				_ waves.	
В	- wave t	hat needs no ma	ntter (snace/vaci	ııım)	
Exa	B wave that needs no matter. (space/vacuum) Examples are and parts of the				
		and parts c		•	
Wave Questions					
1.	Can sound travel und				
2.	Can light travel in spa				
3.	Can sound travel in through objects (wall/metal)?				
4.	Can light travel in water?				
5.	Can sound travel in sp				
6.	Can light travel throu	gh objects (wall/me	etal)?		
2. Sound Travel vs. Medium					
	Place A. Fast B.	Faster C. Fastest	in the blanks belo	ow.	
	Solid	Liquid	Gas		
L <u></u>					
	This is due to the "close-ness" of particles				
	The particles of a are furthest apart.				
The Particles of a are closest, touching, crammed together. The particles of a are really close, but there's still tiny spaces between.					
		ound vs. particles, it ma		reen.	
Timin about temoralis par management					

Do you "KNOW" Light?

There's A LOT to know about light...here's a list!!!!

THE COALCO INTEREST				
1. Order of Colors/Electromagnetic Spectrum.				
Colors in Electromagnetic Spectrum				
Color with highest frequency? Lowest? Shortest?				
Radiation in Electromagnetic Spectrum				
Energy with highest frequency? Lowest? Energy with longest wavelength? Shortest?				
2 Li Li and Colombia Defloction (Absorption				
2. Light and Color vs. Reflection/Absorption				
Colors and Reflection - (put "a lot" or "a little") Dark colors (shirt/car paint) will reflect of energy from the sun. Light colors (shirt/car paint) will reflect of energy from the sun.				
Colors and Absorption - (put "a lot" or "a little")				
Dark colors (shirt/car paint) will absorb of energy from the sun.				
Light colors (shirt/car paint) will absorb of energy from the sun.				
3. Light and Color 411				
1. A prism will turn into				
ALL the colors of the visible light added up would =				
If you have NO colors of the visible spectrum, you'd have				



Three words...Reflection, Refraction, and Diffraction!!!



