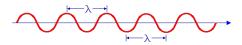
Behavior of Waves Research

_ matter.



 $\frac{\textbf{Directions}}{\text{https://science.nasa.gov/ems/03_behaviors}} - Go to the following website to gather information about behavior of waves. \\$

1.	What is Reflection?	Draw a picture of Refection		
2.	What type of surface will reflect almost all light?			
	The of an object is actually the engths of the light while all other			
wavel	engths are			
4. This reflective behavior of light is used by lasers onboard NASA's Lunar Reconnaissance Orbiter to map				
the surface of the				
5.	What is absorption?	Draw a picture of Absorption		
6.	What does the absorbed light turn into?			
	<i>y</i>			
7.	What color absorbs the most light energy?			
/.	what color absorbs the most light chergy:			
0	Why is the block person out better their a light colored concess	to aidomolle?		
8.	Why is the black pavement hotter than a light colored concre	te sidewaik?		
0				
9.	What is it called when the warming of air above cities influences the weather?			
10.	What is diffraction?	Draw a picture of Diffraction		
		P		
11.	What tool uses diffraction to separate light wavelengths?			
12.	Patterns in a spectral signature help scientists identify the			
physic	eal condition and composition of and			
		I .		

13.	What is scatter?	Draw a picture of Scatter
14.	Why does the sky appear blue? (must use 3-5 sentences)	
15.	What else in the atmosphere scatters light?	
16.	What is refraction?	Draw a picture of Refraction
17. and ev	Light travels slower in than in a, ven slower in	
18.	What causes light to bend?	
19.	Different of light are slowed at	different, which causes them to
bend a	at different	
	<u>Video</u> : Light C	ptics
1. Lig	ght can off of things. Light can be C	Or light can be
2. Wh	nat do the two kids make with a milk carton & mirrors?	
3. Lig	ght travels in a line unless it hits something or	is pulled by gravity.
4. Sci	ientists like to think of light as traveling in	
5. A r	remote control uses light.	
6. The	e way a lense is effects how it bends light.	
7	lenses make things look smaller.	
8	lenses make things look bigger.	
9. Wh	nen light down, it changes direction.	
10. Tl	he point is where the beams of light com-	e together.
11	reflection is reflection inside.	
12. H	eat is light.	
13. W	/hite light contains all the colors of the	