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Video: Light Optics

1. Light can	off of things. Light can be	Or light can be
2. What do the two ki	ds make with a milk carton & mirrors?	
3. Light travels in a _	line unless it hits someth	hing or is pulled by gravity.
4. Scientists like to th	ink of light as traveling in	·
5. A remote control u	seslight.	
6. The way a lense is	effects how it bends li	ght.
7	_ lenses make things look smaller.	
8	_ lenses make things look bigger.	
9. When light	down, it changes direction.	
10. The	point is where the beams of lig	ht come together.
11	reflection is reflection inside.	
12. Heat is	light.	
13. White light contain	ins all the colors of the	_•
Behavior	of Waves Resea	PCh - X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-
	he following website to gather informat gov/ems/03_behaviors	tion about behavior of waves.
1. What is Refle	ection?	Draw a picture of Refection
2. What type of	surface will reflect almost all light?	
3. The	of an object is actually the	
	ight while all other	er
wavelengths are		
		board 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?			
7.	What color absorbs the most light energy?			
8.	Why is the black pavement hotter than a light colored concret	te sidewalk?		
9.	What is it called when the warming of air above cities influences the weather?			
10.	. What is diffraction? Draw a picture of Diffraction			
11.	What tool uses diffraction to separate light wavelengths?			
12.	Patterns in a spectral signature help scientists identify the eal condition and composition of and			
	matter.			
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?	Draw a picture of Refraction		
16.	What is refraction?			
17. and ev	Light travels slower in, than in a, en slower in			
18.	What causes light to bend?			
19. bend a	Different of light are slowed at dist different	fferent, which causes them to		