Name:	Date:

All About Light—Notes Outline

The speed of light	ht is	in space. In gla	ass, light slows down t	
Light wave wave	elengths go from about		to about	in length.
A nm,	, is	meter, w	hich is one	of a meter.
When light st	trikes an object, it v	will do one o	of several things:	
1. It can be	; it is	t	o the object (mainly a	s)
2. It can be	, n	neaning it	the object	ct.
3. It can be		or	the object.	
	_ objects	allow light	to pass through; they	01
	_ it all			
	_; they			
	_ objects allow	_ of the light to	o, so the	y can be seen
through	·			
White light is m	ade up of		A	splits the light
into its	color	rs.		
We see the color	of light that is being		by an object.	
A blue object is	blue l	ight and	all the oth	er colors. A black
object absorbs _	, and re	flects	A white obje	ect
	_ all light and	none.		
The three	colors	s of light are: _	,	and
Light and Re	 Inflection			
	reflection of light:			
7.2	diffusion occurs when	light strikes a	surface c	ausing you to see an
	on the surface because			
	displays re			

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you see an of the image.		size image. Curved mirrors change the			
		surface, and you _			
Light and Ref	raction				
Light	as it goes from sp	pace into air, water, or solids. V	Why? Because the		
get	in the way. A	is a clear, curved	object used to bend		
light. 🔰	lenses	light and can form an			
		lenses	light rays. \		
When light strike	es a boundary betwe	en two materials	at the correct,		
all the light gets	This i	s called total refle	ection and it is how		
wo		of light to travel grea	nt over		
Lasers					
The word "lasers	" stands for "light _	by stimulated _	of		
·"	Lasers use	wavelength of light so that al	l the and		
1	ine up. Because they	are all lined up, they do not _	with each other		
and	the light out like	white light.			