Name (First and Last Name):	
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Study Guide for Light U	
DIRECTIONS: Use your interactive science notebook to answer the question	ns below.
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Decide if the following are examples of reflection or refraction.	
Light bouncing off of glass.	
You seeing yourself in mirror.	
Tou seeing yourself in fillitor.	
A pencil appearing larger under the v	vater than above the water.
Use the image as a reminder. What do we know about the angle of incidence and the angle of reflection?	Angle of Reflection
Define the following terms.	
opaque:	
transparent:	
	and the second s

translucent:

word in the blank.	and the second of the second o	aque objects. Write the correct
	sandwich bag	
	waxed paper	
	a book	
	tissue paper	·
	black colored paper	
	a glass window in the classroom	
When white light passes thro	ough a triangular prism explain what happens on	nce the light exits the prism.
List the seven colors of the	e visible light spectrum in the order in which	they appear.
List the seven colors of the		they appear.
List the seven colors of the		they appear.
List the seven colors of the		they appear.
List the seven colors of the		they appear.

Using your understanding of the visible light spectrum answer the following questions:
Why does a red shirt appear red?
Miller along a control of the contro
Why does a white piece of paper appear white?
Why does a black shirt appear black?
Describe what you see when a red light shines a pieces of paper with blue and red writing. Explain why.
If = 1:-bta shiping on a piece of academan are seth alonginum fail and anymoral adolyminum fail avaloin
If a light was shining on a piece of sandpaper, smooth aluminum foil and crumpled aluminum foil, explain what the reflected light would look like for each one. Which would produce the clearest/best reflection of
the light?

Using the lens diagrams bellows (1) label the lens type [either convex or concave] (2) illustrate what happens to light as it passes through the lens (3) Write a sentence explaining what happens

	ne lens (3) Write a sentence explaining what happens
Lens Type:	Explanation:
Lens Type:	
Jens Type.	Explanation:
Which type of lens would be used to m	nake objects appear (think about a magnifying glass)? Explain your answer.
<u> </u>	
As light passes through a medium (\	water, glass, etc), how is the speed of the light impacted?

ist Three Properti	es/Characteristics of Light:	
)ne:		
wo:		
hree:		
ΔΡΡΙΙΟΔΤΙΟΝ: !!-	ng vour understanding of light write:	a paragraph explaining how light, reflection an
	ng your understanding of light write a daily life. You must have at least 4 ex	
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