

Science Vocabulary

HOT WORDS

→ SOL 5.3 *the Math & Science Maestro*

Name: _____

Teacher: _____

Date: _____

Light and Light Waves

Master your science vocabulary in 5 words or less! Study the terms below carefully!

Vocabulary Term	Hot Words
<i>Light</i>	<i>Energy, Electromagnetic radiation</i>
<i>Light moves as...</i>	<i>A straight path, transverse waves</i>
<i>Wavelength</i>	<i>Distance: crest ---> crest, trough ---> trough</i>
<i>Light travels FAST</i>	<i>186,000 miles per second</i>
<i>Frequency</i>	<i>Number of waves per second</i>
<i>High frequency</i> =	<i>High energy, Violet is highest</i>
<i>Low frequency</i> =	<i>Low energy, Red is lowest</i>
<i>Visible light</i>	<i>Light we can see</i>
<i>Electromagnetic Spectrum</i>	<i>R·O·Y·G·B·V (longest wavelength to shortest)</i>
<i>Black</i>	<i>Absorbs all visible light (heat)</i>
<i>White</i>	<i>Reflects visible light</i>
<i>Reflection</i>	<i>Light bounces off</i>
<i>Refraction</i>	<i>Light bends (ex. prism, rainbows)</i>

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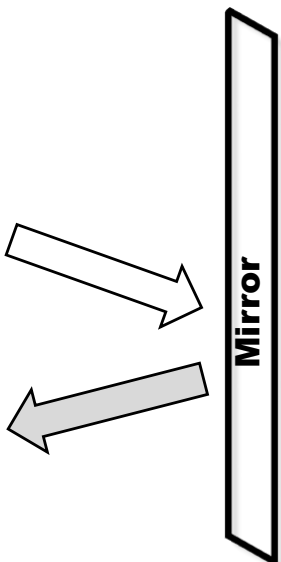
Date: _____

Light and Light Waves (cont.)

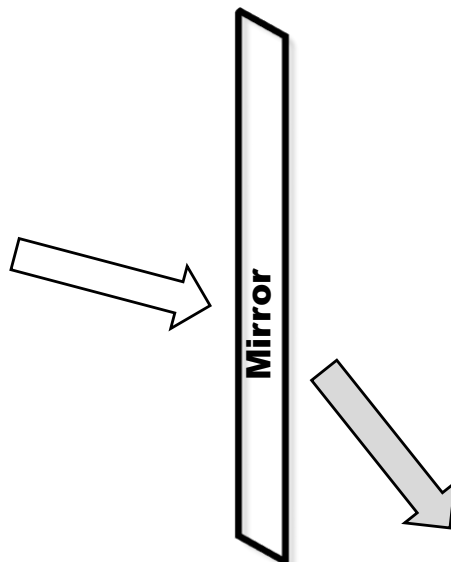
Master your science vocabulary in 5 words or less! Study the terms below carefully!

Vocabulary Term	Hot Words
<i>Transmission/ Absorption</i>	<i>Light passes through or absorbs</i>
<i>Transparent</i>	<i>Light passes through easily (clearly)</i>
<i>Translucent</i>	<i>Light passes through partially (blurry)</i>
<i>Opaque</i>	<i>Light can't pass through (shadows)</i>
<i>Prism</i>	<i>Object that shows visible spectrum</i>

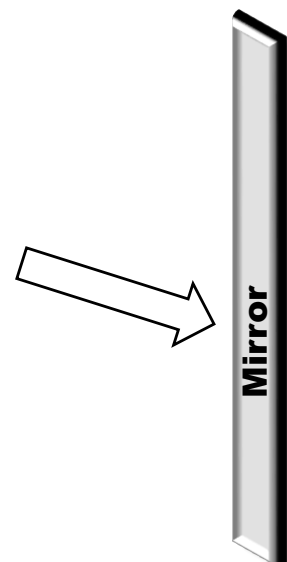
Reflection



Refraction



Transmission/ Absorption



DEFINITION MATCH

Can you match the term with the correct HOT WORDS definition?

Vocabulary Term	Hot Words Definition
Light moves as...	186,000 miles per second
Electromagnetic Spectrum	High energy, Violet is highest
Low frequency =	R.O.Y.G.B.V (longest wavelength to shortest)
Prism	A straight path, transverse waves
Light travels FAST	Object that shows visible spectrum
High frequency =	Low energy, Red is lowest

WORD SCRAMBLE

Can you unscramble the words and then remember the definition?

Scrambled!	Unscrambled!	Definition
<i>lrfecenoit</i>		
<i>ghlti</i>		
<i>svbilie ihtlg</i>		
<i>erfanicrto</i>		
<i>asnmroissitn</i>		

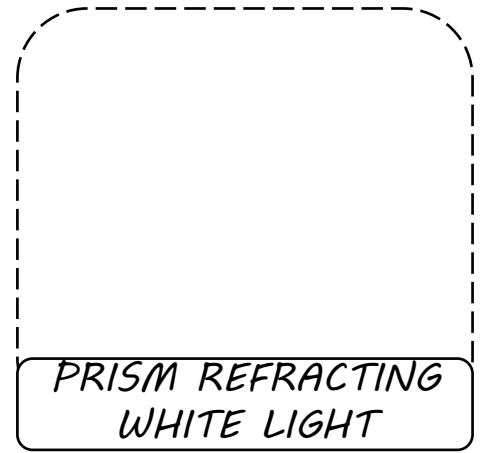
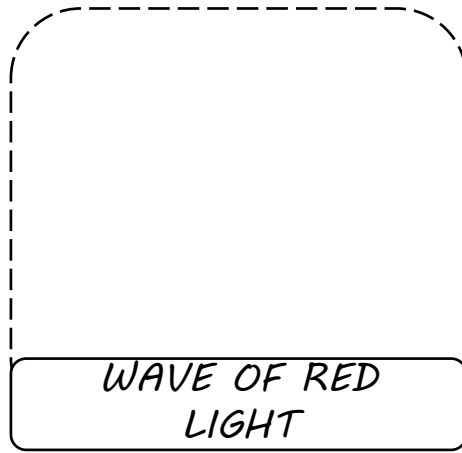
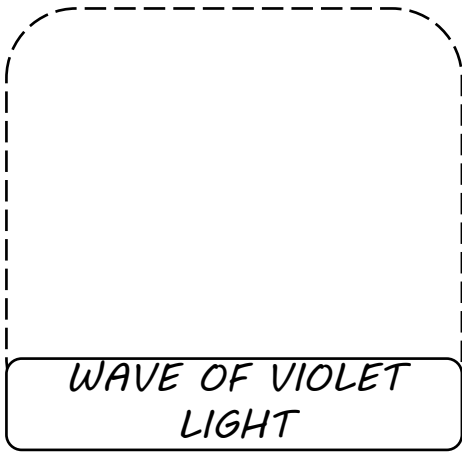
PROVE YOUR KNOWLEDGE

Respond to the following situation using your knowledge of light. Use complete sentences.

You have a choice between 2 shirts on a hot, sunny day: black and white. Which shirt would you choose and why?

ILLUSTRATE IT

Draw a diagram or illustration of the words below:



MAKE UP YOUR OWN!

Can you make up your own HOT WORD definitions?

HOT WORDS	Word	YOUR WORDS
	Transparent	
	Translucent	
	Opaque	
	Wavelength	
	Frequency	

WORD SEARCH

Can you find the following words: Light, Black, Reflect, Refract, Absorb, White

L	L	K	J	H	G	F	D	S	A	Q	W	W
U	I	Y	A	B	S	O	R	B	T	R	E	H
I	O	G	P	L	K	J	H	G	F	D	S	I
D	F	G	H	H	R	E	F	L	E	C	T	T
N	B	V	C	T	X	Z	A	S	D	N	M	E
T	R	Y	W	U	B	L	A	C	K	B	N	M
R	E	F	R	A	C	T	R	T				