LIGHT AND COLOR

WORD	BANK								
Translu	cent primary opaque black transmits colors								
White	cone absorbs transparent reflect filter								
	To see an object, it must light.								
2.	· · · · · · · · · · · · · · · · · · ·								
3.									
4. A material in which visible light will pass but detail can not be seen clearly is said									
5.	light is a mixture of all visible wavelengths of the spectrum.								
6.									
	Red, green, and blue are the colors of visible light. Mixed together produce the other colors.								
8.	The retina of the eye containscells that detect certain wavelengths of light.								
9.	When the brain responds to the signals, we see								
10.	One way of producing color is by the use of a, a transparent object that								
	some colors and allows others to pass through.								
	The color of the filter is the same as the color of light it								
WORD									
	CYAN FILTER PIGMENT ADDITIVE								
	SUBTRACTIVE BLACK REFLECTED								
	A Colored material that absorbs certain colors and reflects others is a								
13.	To mix and make any color, it is necessary to have only three primary pigment colors—magenta, yellow, and								
14.	Light color is determined by the wavelength of light transmitted through a								
15.	Pigment color is determined by the wavelength of light from the pigment particles.								
16.	Because primary light colors combine to produce white light, they are calledcolors.								
	If all primary pigments are added equally, the result will be								
	Because black results from the absence of reflected light, the primary pigment colors are called colors.								

Light and the Electromagnetic Spectrum Objective 4 PRACTICE SET: Colors of Objects

**	wa	velength, low	est frequency firs	t.		andirana makan dist		e Terago	166 F	the 10	onges
2.	Label each of these pairs of colors according to wavelength by writing the words "shorter" or "longer" in each blank.										
	a.		Red Blue								
	b.		Green								
	c.		Indigo Orange		0.70000 0 0.000 0						
3.	pai	nts that refle	colors of light ect only one col ing conditions:	, filte or, w	ers that rite in	t allow the bla	only ank v	one what co	color to lors wou	pass,	and
	a. b. c. d.	White light i	s illuminated by rest viewed through the barn is viewed is illuminated	a gre	en filte	r ie filter	<u> </u>	-	through	ı a y	ellow
	e. f.	A city is view	ved through emer nt illuminated	ald g l by	reen gla blue	isses light	is	viewed	l throu	gh a	red