Science Chapter 2:	ElectroMagnetic Spectrum and	Light	Date	Period			
EAMS		Name					
Use the pages to find the foll	owing answers.						
1. How is light differen	t from the kinds of waves? (p 43	5)					
_	a medium to travel b) light red		dium to trav	el			
_	ing is NOT an EM wave? (43-44)	•					
	ifrared wave c) water wave	d) X-ray					
3. What is the entire ra	nge of the EM waves called?	·					
a) cosmic spectrum	b) Electromagnetic spectrum	c) electr	icmagnets				
4. How do EM waves dif	fer from eachother?(43)						
a) Each EM has a differ	rent sound b) Each EM has a	different	wavelength				
c) Each EM is made of a	different matter d) Each EN	l has a diff	erent weigh	†			
5. Which of the followir	ng is NOT true about Infrared Ro	ays					
a) feel heat from a stov	ve burner b) all things give	off infrare	d waves				
c) invisible heat is infra	red radiation d) Infrared rays	are used in	heat lamps.				
6. What is the range of	wavelengths of visible light?						
a) between 1 nm and 15	nm b) between 400nm and 8	300 nm c)	above 900 r	ım			
•	of the entire Electromagnetic Sp	· ·) false			
	is white light. White light is visi	ble light of	all waveleng	gths			
	ultiplied c) refracted						
(#7 and #8 are not in	the book - guess. :)						
Match the following:							
9. Color of the longest w	avelength of visible	a)	violet light				
10. Color of the shortest wavelength of visible light		b)	b) visible spectrum				
11. Range of colors of light			c) red light				
12. List 1 good effect and 1 bad effect of ultraviolet light: (P 44)							
good:	bad:						
Page # 46-49							
_	ht can do when it hits an object?)					
13. What are 3 things that hig	m can do when it hits an object?						
14. Transparent materials	most of the li	ght. An exc	imple of a	_			
	g Go find some s			rally lol			
Observation:	_			·			
		_as it pass	es through.	_			
	rials are and						

		all of the light that strikes it. You
cannot see through opaque mater	ials because _	
	. An example o	of an opaque material are
17.The color of an opaque materio	ıl is	
Fan avenula: (avalais why as anal		anana iz anana)
For example: (explain why an appl	e is rea or an	orange is orange)
19. 3 secondary colors are OF LIG	3HT	
20. Mixing colors of light is diffe together,		king colors of light. As pigments are added
PAGE 52 - 60		
Draw figure 11 on bottom of page	53 - face wit	h sunglasses
	21.	When light bounces off, this is called
	22	The bending of light is also known as
	23.	State the Law of Reflection:
	24	Draw an example of a concave mirror.
		of all all oxample of a concare militar.

25 Draw an example of a convex mirror.