Name	Class	Date
Directed Reading B continued		
Your eyes detect the direct rays of liby the light source.		d
13. Objects that produce visible lig 14. An object that can be seen but    illuminated		luminous ource is
<b>15.</b> Why are you able to see an illu	minated objec	t?
Light rays are being reflected off the the rays go into your eye.	object and then	
ABSORPTION AND SCATTERING		
<b>a.</b> illumination. <b>b.</b> scattering. <b>c.</b> absorption. <b>d.</b> reflection.	ergy to particle	es of matter is called
tering  17. The interaction of light energy, direction of moto a. reflection.  b. scattering. c. absorption. d. incidence.		at causes light to change its called
18. What causes the clear sky to lo	ok blue?	
Blue light has a shorter wavelength an It is able to scatter more throughout the atmosphere allowing the gas to appear	e gas of the	
LICHT AND MATTER		

## **LIGHT AND MATTER**

- transmission 19. The passing of light through matter is called
  - **a.** transmission.
  - **b.** scattering.
  - c. absorption.
  - **d.** incidence.

Name	Class	Date
Directed Reading B continue		
<ul><li>20. When you look through a outside?</li><li>Most of the light rays are tradetected by your eyes</li></ul>	glass window, why can you	
21. When you look through a reflection?	, , ,	<u> </u>
like a mirror	oflected, and the window acts partial	ally
<b>22.</b> Why might a glass window	w feel warm when you touc	ch it?
molecules move faster and th	d getting absorbed by it may make nen it get's hotter. car that gets warmer and warms u	_
23. Matter that allows visible transparent	light to be easily transmitte	ed is
<b>24.</b> Matter that transmits light matter is	t and scatters the light as it	t passes through the
<b>25.</b> Matter that does not trans	smit any light is <mark>opaque</mark>	,
Match the correct description provided.	with the correct term. Write	e the letter in the space
26. glass		<b>a.</b> opaque
sluscent 77 way papar		<b>b.</b> translucent

<mark>opaque</mark> **28.** metal

**c.** transparent