

Behavior of Light

Drag and drop:

translucent	opaque	black	transmits	colors
white	absorbs	transparent	reflect	filter
refraction	regular	color	diffuse	

For you to see an object, it must 1. _____ light. A

2. _____ reflection shows a clear image, like that in a mirror. A brick wall causes a 3. _____ reflection. A material through which nearly all light passes is 4. _____. A material that lets some light pass through is 5. _____. No light passes through 6. _____ objects.

all visible wavelengths of the spectrum. 7. _____ objects absorb all colors and reflect little light.

White light is separated into the colors of the spectrum through

8. _____.

One way of producing color is by the use of a 9. _____, a transparent object that 10. _____ some colors and allows others to pass through. The color of the filter is the same as the color of light it 11. _____.