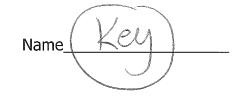
Light	, Mirro	ors an	d Lenses	Rev	iew	
米Ch	lck '	Your	Answ.	OVS	*	-



1. Use the following words to complete the sentences below Transparent a desk absorbed transmitted opaque frosted glass translucent window glass reflected ransmitted, or reflect b) Light that is soaked in is \_\_\_ c) Light that bounces off matter is \_ d) Light that passes through matter is e) A substance that transmits light as well as detail is said to be\_\_\_\_ f) A substance that blocks light is said to be \_ g) A substance that transmits light but no detail of that light is \_ h) An example of a transparent object is \_ i) An example of an opaque object is \_ j) An example of a translucent object is

Complete the table below. In the second column, classify each material as transparent, opaque, or translucent. In the third column, state whether light is absorbed, reflected, transmitted, or scattered when it strikes the material. In the last two boxes of the first column, write your own examples.

Material	Classification	Behaviour of light
glass	transparent	transmitted
white clouds	translucent	scattered.
stained glass window	transvarent	transmitted
aluminum foil	opaque	reflected.
fog	Franks I voent	Scattered.
cellophane (blush Cwrap).	transparent	transmitted
cardboard	opaque	absorbed,
wax paper	translucent	Scattered
black chalkboard	opaque.	absorbed,
mirror	obaque	reflected.
Clear Plastic	transparent	fromsmitted
Frosted glass	transiveent	scattered

Use the following words to complete the sentences below angle of reflection  $^{\nu}$ Incident V angle of incidence equal ray  $\nu$ normal  $\vee$ reflected is not 🗸 refraction ~ more slowly away from <a></a> more V at an angle towards less A single line of light energy is called a A ray that strikes a surface is called an A "bounced" ray is called a A line that makes a 90° angle to a surface is called a The angle between an incident ray and its normal is called the  $\underline{-HM}$ (e) The angle between a reflected ray and its normal is called the \_ (f) to its angle of reflection. (q) An angle of incidence is The bending of light as it passes from one medium to another is called (h) Refraction takes place when light strikes a surface (i) Light that strikes a surface in the same direction as the normal 15 hot refracted. (j) Light travels at about 300 000 kilometres per second in (k) MOTP\_\_dense than air. Glass and water are (l)

\_ in glass or water than it does in air.

Light that moves at an angle from a less dense medium to a more dense medium is refracted

Light that moves at an angle from a more dense medium to a less dense medium is refracted

Light travels | | | | | |

TowardS\_ the normal.

(AWAY TYDY) the normal.

(m)

(n)

(0)

Use the following words to complete the sentences below

ке	rracts	smaller	centre	rocal length	concave
CO	nvex	focal point	larger	edge	
				į	
				uts_light in a defi	
2.	2. The two main types of lenses are $200000$ and $200000$ .				
3.	B. A concave lens makes things look <u>Smaller</u>				
4.	1. A convex lens makes things look <u>Sindiner</u> . (depending on distance).				
5.	The thickest par	t of a convex lens	is its <u>Cer</u>	tre.	
6.	6. The thickest part of a concave lens is its <u>edge</u> .				
7.	A Convex	_ lens can form an	image on a	Screen.	
		lens cannot form			<b>&gt;</b>
9.	The point where	e converging light r	meets is the _	tocal point	. 0 1/2/2//
				focal point is called its	total unoffer

## **Convex & Concave Lenses**

1. Describe a concave lens.	ins that cu	rves inwa	rds.
2. Light rays	when passing through S Hat W		ards.
4. Light rays Conveyer v			
5. Sometimes people use the phreferring to the shape of each the glass in the middle comparlenses as convex or concave.	surface. To identify co	oncave and convex le	nses, it is the thickness of
Concave (	Joncave_	Concave	convex.
6. Draw the paths of the light thr	ough each of the follo	wing lenses.	
Concave lens with small curve	Concav	e lens with large cury	/e
	·		- * diverges light move
Convex lens with small curve	Convex	lens with large curve	
			- X more Axixsed!