Name _____ **Class** _____ **Date** _____

Draw a ring around a number of stars for each statement. If you are very confident about a statement, draw your ring around all the stars. If you do not know anything about a statement do not draw a ring.

Topic	At the end of the unit:	
8Ja		
	Recall the meanings of words that describe materials and how they affect light (transparent, translucent, opaque, transmit, absorb).	* * * * *
	Describe how light travels.	* * * * *
	Use the ray model of light, in diagrams, to explain how we see things.	* * * * *
	Describe some similarities and differences between light and sound.	* * * * *
8Jb Working Scientifically		
	Represent rays of light as straight lines with arrows showing the direction of travel.	* * * * *
8Jb		
	Describe some uses of plane mirrors.	* * * * *
	State the meanings of words connected with reflection (such as angle of incidence, normal, etc).	* * * * *
	Describe the difference between specular reflection and scattering.	* * * * *
	Recall the law of reflection and use it to make predictions.	* * * * *
	Use ray diagrams to explain the formation of an image in a plane mirror.	* * * * *
8Jc		
	Describe some uses of lenses.	* * * * *
	Recall that light travels at different speeds in different materials.	* * * * *
	Explain why refraction occurs, and use ray diagrams to describe the refraction of light as it passes into and out of different materials.	* * * * *
	Describe the effects of convex lenses on parallel beams of light.	* * * * *
	State the meaning of focal length, focus and principal axis and relate the power of a lens to its shape.	* * * * *
8Jd		
	State the parts of the eye and cameras, and explain their functions.	* * * * *
	Describe similarities and differences between eyes and cameras.	* * * * *
	Describe the way our eyes detect different colours, and recall the primary and secondary colours of light.	* * * * *
8Jd Literacy		
	Prepare effective presentations.	* * * * *
8Je		
	Describe how to split light into different colours using a prism, and recall the colours of the spectrum, in order.	* * * * *
	Explain how filters can be used to make coloured light.	* * * * *
	Explain why coloured objects appear coloured and why they look different in light of different colours.	* * * * *

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