

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:	
8La		
	Describe the positions and movements of the Earth, Moon and planets.	* * * * *
	Describe some ways of investigating the Solar System.	* * * * *
	Compare different models of the Solar System, and explain why we use our current model.	* * * * *
	Use a model to explain why we see phases of the Moon.	* * * * *
8Lb		
	Describe differences in the seasons.	* * * * *
	Use a model to explain the differences in the seasons.	* * * * *
	Explain the effect of the Earth's tilt on the energy received from the Sun.	* * * * *
8Lc		
	Recall the shape and direction of the magnetic field of a bar magnet.	* * * * *
	Use a plotting compass to show the shape and direction of a magnetic field.	* * * * *
	Explain how to arrange two magnets so that they attract or repel each other.	* * * * *
	Describe the Earth's magnetic field and explain why a compass needle points north.	* * * * *
8Ld		
	Recall the direction in which gravity acts and the factors that affect it.	* * * * *
	Say what gravitational field strength means.	* * * * *
	Explain why the weight of an object changes if taken to the Moon but not its mass.	* * * * *
	Recall that planets and natural satellites are kept in orbit by gravity.	* * * * *
	Describe how mass and distance affect the strength of gravity.	* * * * *
	Use gravitational field strength to calculate weight.	* * * * *
8Ld Working Scientifically		
	Make comparisons using ratios and percentages.	* * * * *
8Le		
	Explain what these words mean: Sun, star, galaxy, Universe, constellation.	* * * * *
	Describe the Milky Way.	* * * * *
	Compare the relative sizes and distances of objects in space.	* * * * *