

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:	
7Ha Working Scientifically		
	Identify and draw tables, pie charts, bar charts and scatter graphs.	* * * * *
	Interpret tables, pie charts, bar charts and scatter graphs.	* * * * *
	Identify the difference between qualitative and quantitative data.	* * * * *
	Describe the benefits of organising data in particular ways.	* * * * *
7Ha		
	State what is meant by an element and recall some examples.	* * * * *
	Describe the difference between elements and compounds by their properties.	* * * * *
	Use particle diagrams to describe the difference between atoms and molecules.	* * * * *
	State the proportions of different gases in the air.	* * * * *
	Use particle diagrams to describe the difference between elements, compounds and mixtures.	* * * * *
	Use diagrams to explain the difference between a mixture of elements and a compound.	* * * * *
7Hb		
	Describe the properties of two elements and link them to their uses.	* * * * *
	Represent elements using chemical symbols.	* * * * *
	Explain why some elements are found in their native states and have been known about for a long time.	* * * * *
	Describe two advantages of recycling materials.	* * * * *
7Hc		
	Identify different metal and non-metal elements.	* * * * *
	Use evidence to classify a material as a metal or non-metal.	* * * * *
7Hd		
	State what happens in all chemical reactions.	* * * * *
	Describe how elements can be changed into compounds.	* * * * *
	Describe how a compound and its elements' properties are different.	* * * * *
	Use the chemical names for different 2- and 3-element compounds.	* * * * *
7He		
	Recall examples of chemical reactions in everyday life.	* * * * *
	Write word equations to describe chemical reactions and identify the products and reactants in the reactions.	* * * * *
	Identify and describe what happens in thermal decomposition reactions.	* * * * *
	Explain the different ways energy can play a part in some reactions.	* * * * *