

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:	
8Ea		
	State the meaning of fuel and combustion.	* * * * *
	Describe the reactants and products in the combustion of hydrocarbons.	* * * * *
	Name the fuel used in a fuel cell.	* * * * *
	Describe the tests for carbon dioxide and water.	* * * * *
	Write word equations to model reactions.	* * * * *
8Eb		
	State the meaning of oxidation.	* * * * *
	Describe the reactions of metals with oxygen.	* * * * *
	Identify reactants and products of oxidation using word equations.	* * * * *
	State what happens to mass in a chemical reaction.	* * * * *
	Explain changes in mass seen in reactions.	* * * * *
	Compare and contrast the oxygen and phlogiston theories.	* * * * *
8Ec		
	Name the three sides of a fire triangle and recognise hazard symbols.	* * * * *
	Describe what is meant by an exothermic change.	* * * * *
	Explain why different types of fire need to be put out in different ways.	* * * * *
	Evaluate data on burning fuels.	* * * * *
8Ec Working Scientifically		
	Identify variables that need to be controlled in an experiment.	* * * * *
	Plan ways in which to control variables in an experiment.	* * * * *
8Ed		
	Recall examples of pollutants formed by burning fossil fuels.	* * * * *
	Describe the reactions of non-metals with oxygen.	* * * * *
	Explain the products of complete and incomplete combustion of fossil fuels.	* * * * *
	Explain how sulfur dioxide and nitrogen can cause acid rain.	* * * * *
	Explain how pollution from fossil fuel combustion can be reduced.	* * * * *
	Evaluate measures for reducing pollution from fossil fuel combustion.	* * * * *
8Ee		
	State the meaning of greenhouse effect, global warming and climate change.	* * * * *
	Explain how human activities are affecting global warming.	* * * * *
	Explain how methods of controlling carbon dioxide emissions work.	* * * * *