Teacher Name:	
Class Name/Subject: Regular chemistry	
Period:	
Assignment Week #: 2 WS1: Combustion review	
Use the equation below, about burning a log, to answer the questions.	
	$C_6H_{12}O_6$ (s) + 6 O_2 (g) \rightarrow 6 H_2O (I) + 6 CO_2 (g) + Energy
1.	What are the reactants?
2.	What are the products?
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3.	What information do the symbols in parenthesis give you about each compound?
	(a)
	(g)
	(1)
	(s)
	(3)
4.	Is this reaction endothermic or exothermic?
5.	How many hydrogen atoms are on the reactant side? The product side?
6.	This is because of the law of conservation of
7.	What type of equation is this?
8.	Draw a picture of this type of reaction.

9. Circle all of the coefficients in the reaction.

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10. Put a box around all of the subscripts in the reaction.

WS2: Greenhouse gases Which gases are greenhouse gases? All combustion reactions make what two chemical products? How are these connected to combustion reactions and fossil fuels? Explain how the "greenhouse effect" works in a greenhouse/car and in the atmosphere.

5. How have concentrations of greenhouse gases changed over time?