	The Heat is On!
Objectiv	e: Cite evidence showing that heat may be given off or taken in during a chemical change.
There are asked to,	dure: Go to the following website and answer all the questions with complete sentences. e four sections to go through, take your time and don't click on any animations until you are otherwise you will have to go back and repeat your work. http://www.pbs.org/wgbh/nova/physics/science-fire.html
Click	"Launch Interactive"
1.	What is combustion?
Load and	watch the "On Fire" animation, then answer the questions below.
2.	Whenever molecules rearrange their atoms during a chemical change, is either released or
3.	Describe oxidation.
4.	Why does the temperature in an area that is rusting raise only a small amount?
5.	What happens when materials oxidize so fast that the heat cannot dissipate?
	ike a Match" and then read the entire section before attempting to strike the match – e you will not be able to answer all the questions.
6.	What 3 things are needed to initiate and sustain combustion?
7.	How did you get the match to ignite?
	Click "Chain Reaction"

Period

Name_

8.	Write the equation for	the combustion of H				
	Read the section, and then click on "More about this equation"					
9.	Write the correct or balanced equation for the combustion of Hydrogen. →					
	Drag the Hydrogen atom to move on.					
10.	Why does water form when lone Hydrogen and Oxygen atoms are present?					
11.	How many chemical re	eactions take place wh	nile methane gas forms?			
	Click on "Shuffle Atom	ıs"				
12.	2. What is the end result when a molecule of methane reacts with two molecules of oxyg					
13. Separate the following molecules to make 2 Water and 1 Carbon Dioxide mole them below.						
	, H	0 0	Water	Water		
	H C H	0 0				
	l H		Carbon E	Dioxide		
	Click on "Flame Experi	ment"				
14.	If solids and liquids do not burn, what does?					
15.	Describe how candle wax burns.					
Move the	e glass over the flame an	d then answer quest	ion 16.			
16.	What does the orange-red flame color come from?					