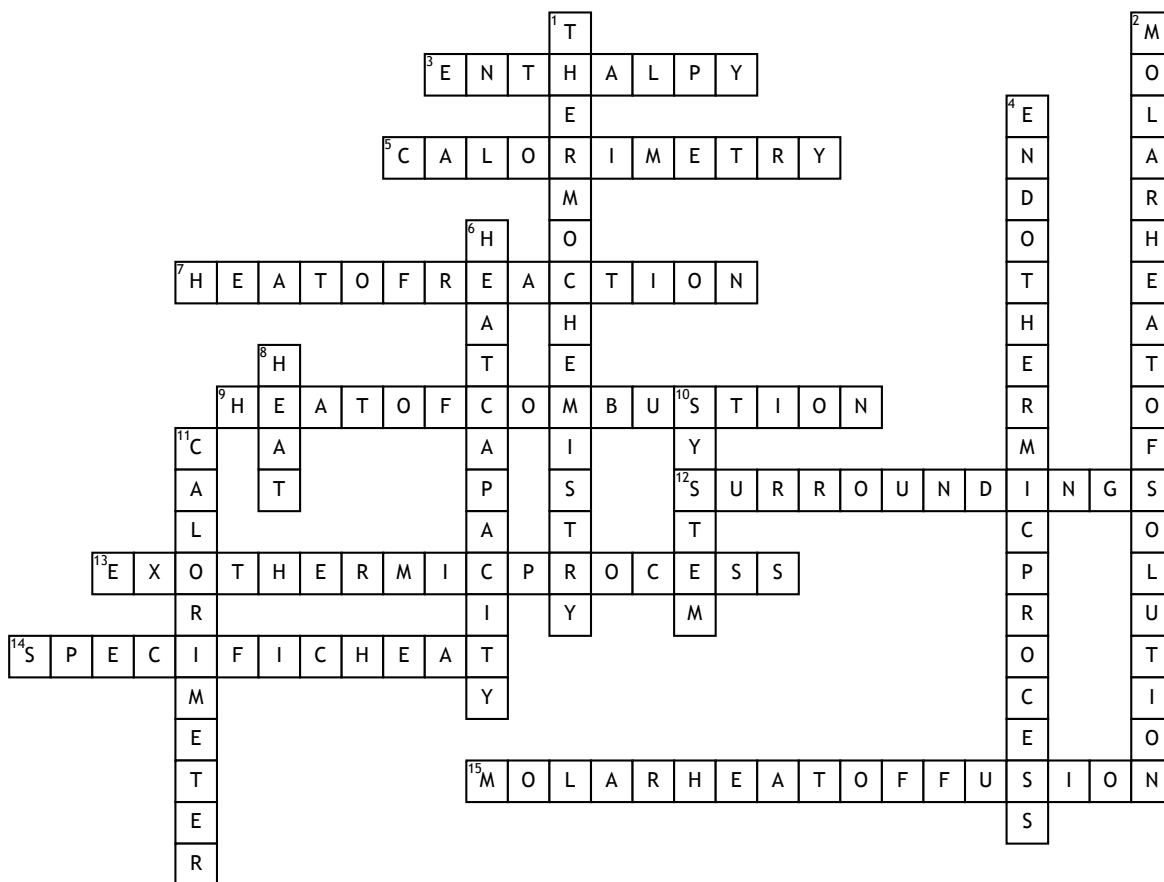


Name: _____ Date: _____ Period: _____

Thermochemistry



Across

3. a system at constant pressure's heat content
5. measurement for heat flowing in and out of a system for physical and chemical processes
7. in a chemical equation it is the exact enthalpy change
9. when completely burning a mole of a substance, it is the heat of the reaction taking place

12. everything else that is not the focus
13. gives off heat into the surroundings
14. the total heat required to increase the temperature of 1g of the substance 1 degree C
15. the heat absorption of a solid melting at a constant rate

Down

1. changes in energy that happen in chemical reactions and in changes of state

2. dissolution of a mole that cause enthalpy change
4. takes in heat from the surroundings
6. the total heat required in order to increase an object's temperature by 1 degree C
8. energy transfer due to a difference in temperature
10. the focus of attention

11. measuring device for the increase or decrease of heat in physical or chemical processes