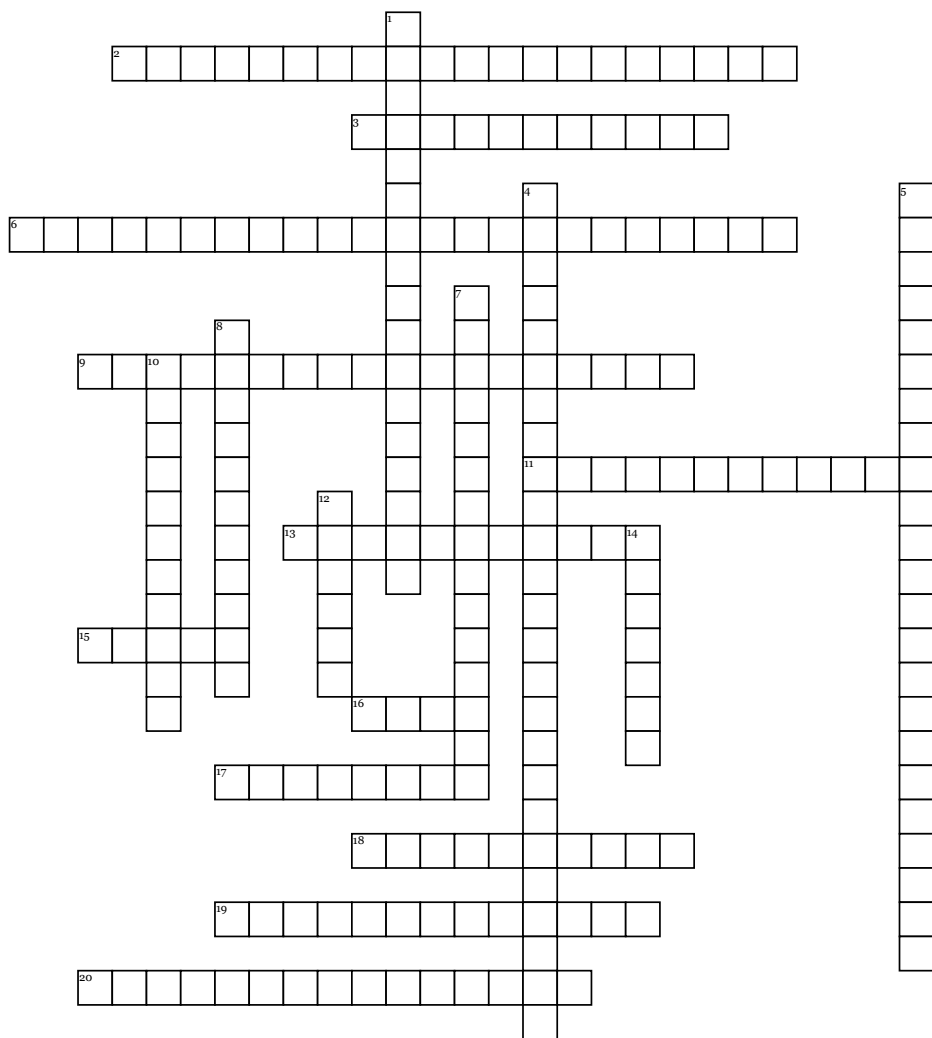


Name: _____

Date: _____

Thermochemistry Crossword



Across

- 2.** Heat of reaction for the complete burning of one mole of a substance
3. The measurement of the heat flow into or out of a system for chemical and physical processes
6. The energy stored in the chemical bonds of a substance
9. The enthalpy change for the chemical equation exactly as it's written
11. The amount of heat required to raise the temp of 1g of a substance 1 degree
13. Absorbs heat from it's surroundings
15. Unit used to measure heat
16. Energy that transfers from one object to another due to a temperature difference

Word Bank

Calorimetry
 Heat
 Temperature
 Kinetic Energy
 Enthalpy of Reaction

Potential Energy
 Enthalpy of Combustion
 Energy
 Calorie
 Exothermic

- 17.** Accounts for the heat flow of the system at a constant pressure
18. Releases heat to it's surroundings
19. Energy an object has because of it's motion
20. Energy an object has because of it's position
Down
1. The heat absorbed by 1 mole of a solid substance as it melts to a liquid at a constant temp.
4. States that energy can neither be created or destroyed
5. The amount of heat required to vaporize 1 mole of a given liquid at a constant temp.

Thermochemistry
 Molar Heat of Fusion
 Specific Heat
 Molar Heat of Vaporization
 Law of Conservation of Energy

- 7.** Studies of energy changes that occur during chemical reactions and change state
8. Device used to measure the absorption or released of heat
10. The measure of hotness or coldness, The direction in which energy flows (as heat)
12. "The ability to do work"
14. The amount of heat required to raise the temp of 1g of water 1 degree Celsius

Calorimeter
 Enthalpy
 Endothermic
 Joule
 Chemical Potential Energy