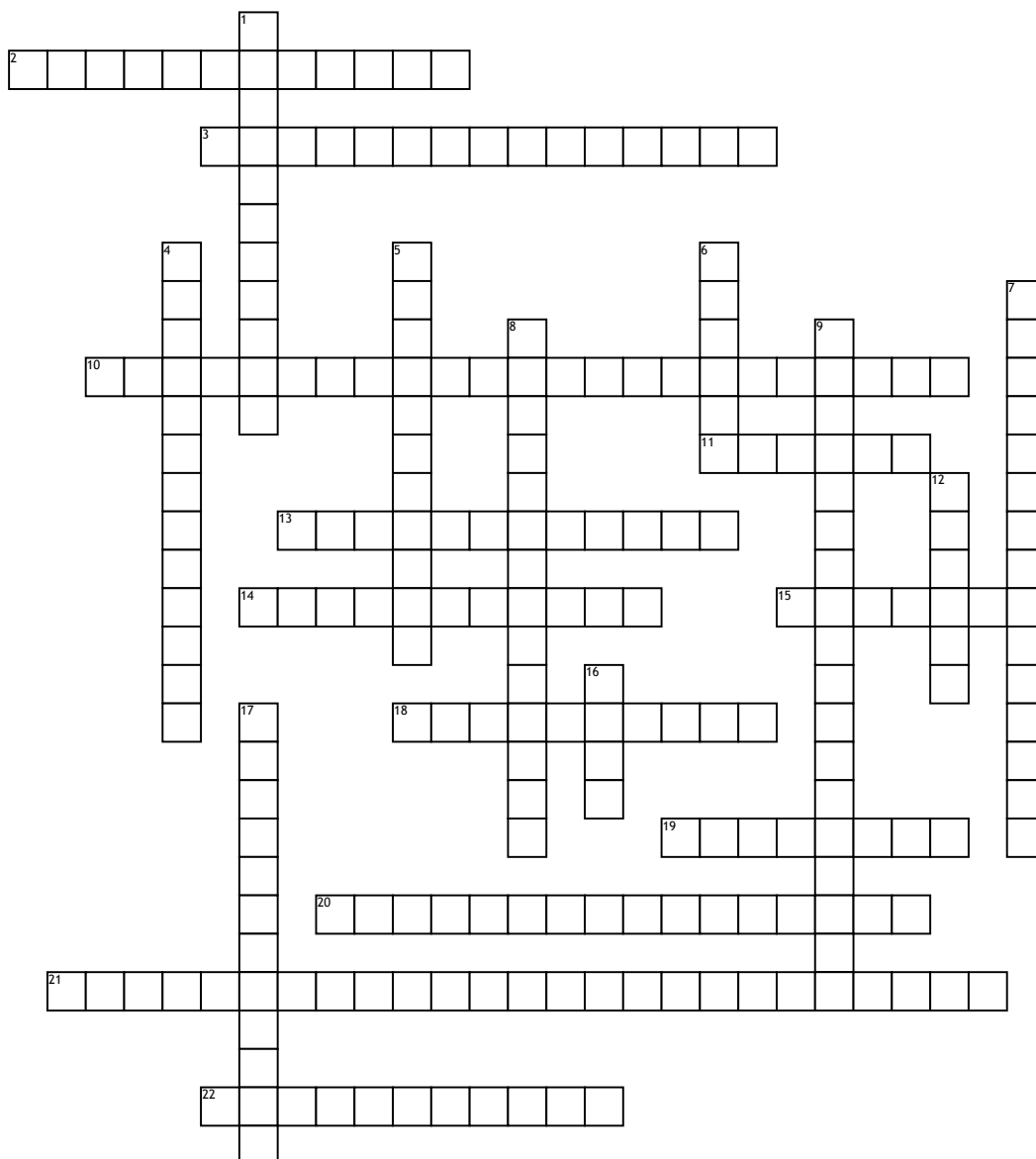


Name: _____ Date: _____ Period: _____

Thermochemistry



Across

- 2. everything outside what is being studied
- 3. energy of position
- 10. energy stored in chemical bonds
- 11. what is being studied
- 13. the heat needed to change a substance from a solid to a liquid
- 14. used to measure the heat change in a chemical reaction
- 15. heat needed to raise one gram of water one degree celcius
- 18. heat is released

Down

- 19. total heat of a system
- 20. amount of heat released by complete combustion of a substance
- 21. energy cannot be created nor destroyed but can be transferred
- 22. actual measurement of heat changes in a chemical reaction
- 1. absorption of heat
- 4. energy of motion
- 5. the average amount of heat contained within the particles of a substance

Across

- 6. SI unit of energy
- 7. branch of chemistry concerned with the quantities of heat given off or absorbed during chemical reactions.
- 8. the change in enthalpy (heat) during a chemical reaction
- 9. heat needed to change a substance from a liquid to a gas
- 12. ability to do work
- 16. always flows from area of high to low
- 17. amount of heat needed to raise one gram of substance by one degree celcius