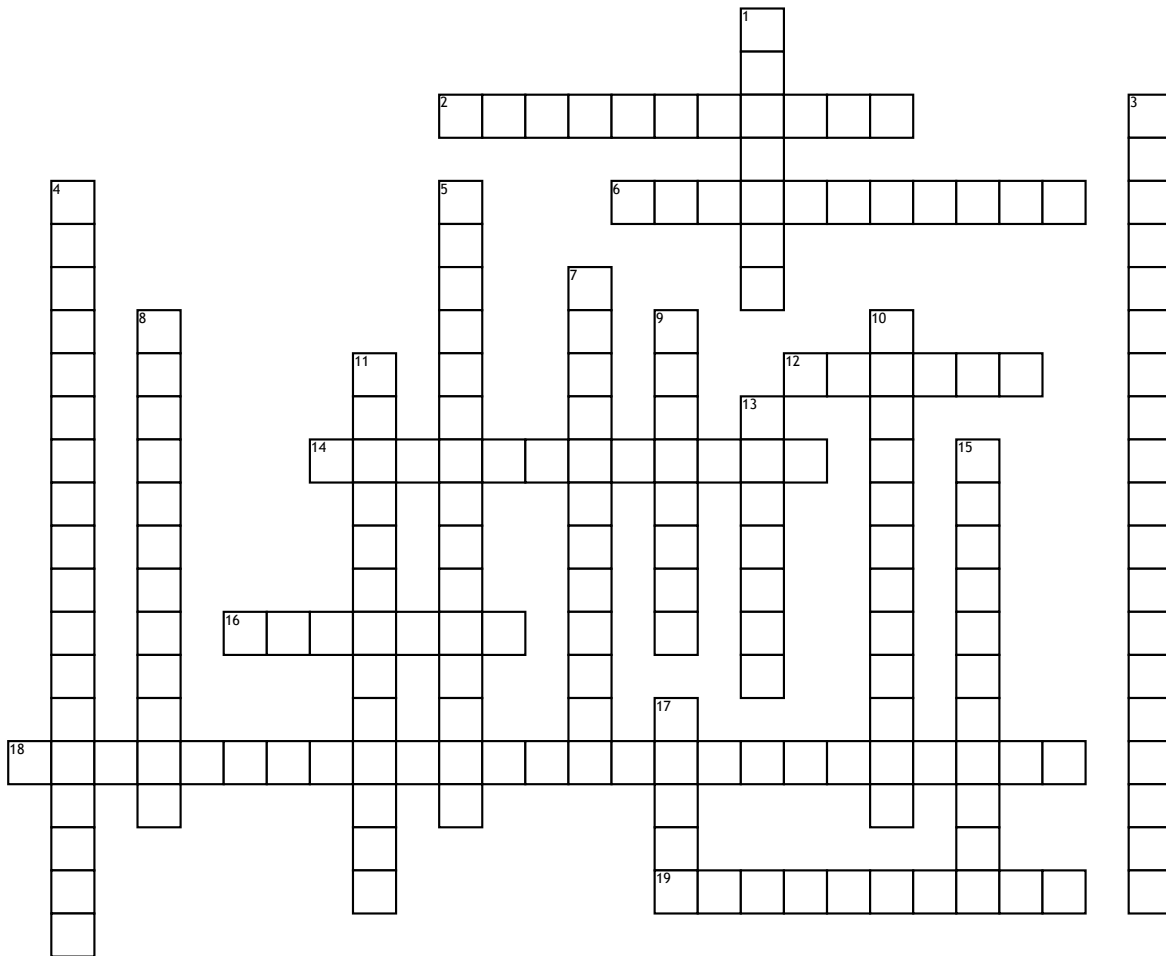


Name: _____

Date: _____

Thermochemistry Crossword



Across

2. solid to gas
 6. feels cold; Absorbs energy
 12. ability to do work or produce heat
 14. the amount of heat to raise the temperature of 1g of any substance 1oC
 16. temperature change
 18. energy can be converted from one form to another, but is never created or destroyed
 19. feels hot; Releases energy

Down

1. a measure of the randomness of particles in a system
 3. something spontaneous occurs with no outside intervention
 4. the amount energy that is required to change from a liquid to a gas
 5. The study of heat changes that accompany chemical reactions and phase changes
 7. temp at which v.p. of liquid equals external pressure

8. the amount energy that is required to change from a solid to a liquid
 9. the amount of heat gained or lost in a chemical reaction
 10. equal to freezing point
 11. pressure of vapor above a liquid at equilibrium
 13. the amount of heat raises 1 mL of water 1oC
 15. trapped molecules reach a balance between evaporation and condensation
 17. the standard unit of heat and energy