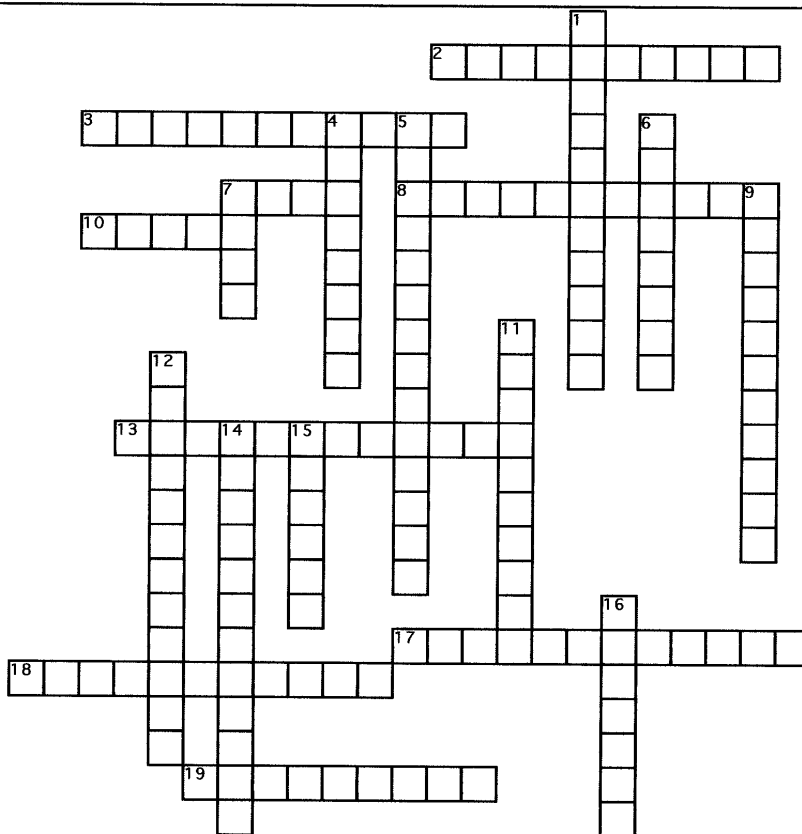


Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

### Energy Ws #8 Vocab Crossword



#### ACROSS

2. minimum energy needed to start a reaction
3. device used to measure heat absorbed or released in a chemical or physical change
7. total kinetic energies of particles in sample of matter
8. measure of average kinetic energy of particles in matter
10. SI unit of heat energy
13. amount of heat energy required to raise temperature of 1 gram 1 degree celsius (2 wds)
17. change in concentration of reactants over time
18. change of state - solid directly to gas
19. molar heat of \_\_\_\_\_

#### DOWN

1. particles escape from surface of non-boiling liquid and enter gas state
4. heat content of a system at constant pressure
5. heat absorbed or lost (2 wds)
6. changes rate of reaction without itself being changed
7. name of law that describes that overall enthalpy change in a reaction is equal to sum of enthalpy changes for individual steps in process
9. absorption of heat
11. releasing heat
12. liquid or solid change to gas
14. process by which gas turns to liquid
15. liquefying or melting by the application of heat
16. activated \_\_\_\_\_, a transitional structure formed by an effective collision.