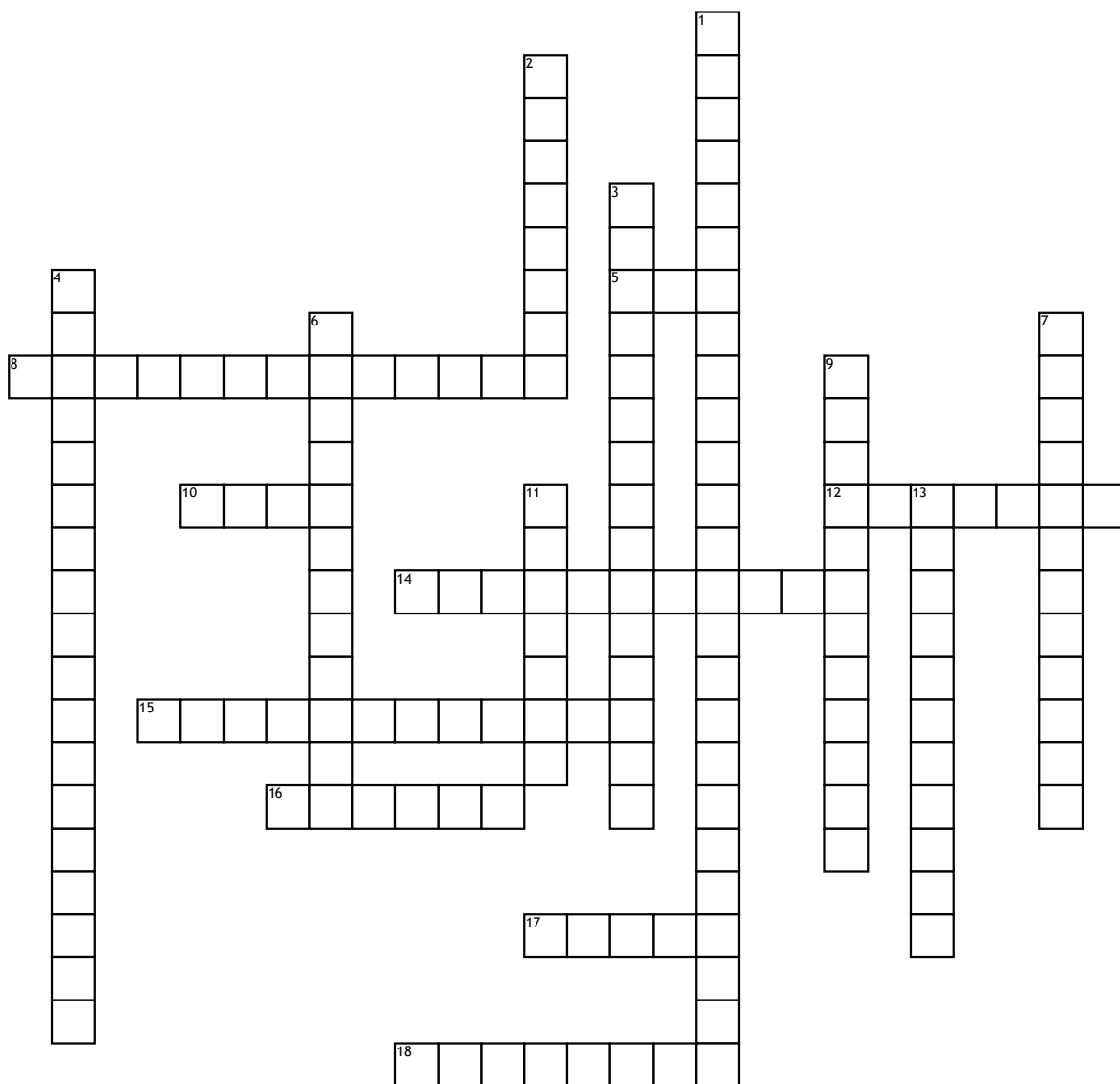


Thermochemistry



Across

- 5. feels hot; releases energy
- 8. Pressure of vapor above a liquid at equilibrium
- 10. Feels cold; absorbs energy
- 12. means temperature change
- 14. solid to gas
- 15. Temp at which v.p. of liquid equals external pressure
- 16. Ability to do work or produce heat

17. The standard unit of heat and energy

18. amount of heat gained or lost in a rxn

Down

- 1. Energy can be converted to another form but never created or destroyed
- 2. = System+Surroundings
- 3. The study of heat changes that accompany chemical RXNs and phase changes

4. Energy required to change from a liquid to a gas

6. Energy required to change from a solid to a liquid

7. Amount of heat required to raise the temp of 1g of any substance 1 degree Celsius

9. equal to freezing point

11. Rises 1mL of water 1 degree Celsius

13. Balance between evaporation and condensation