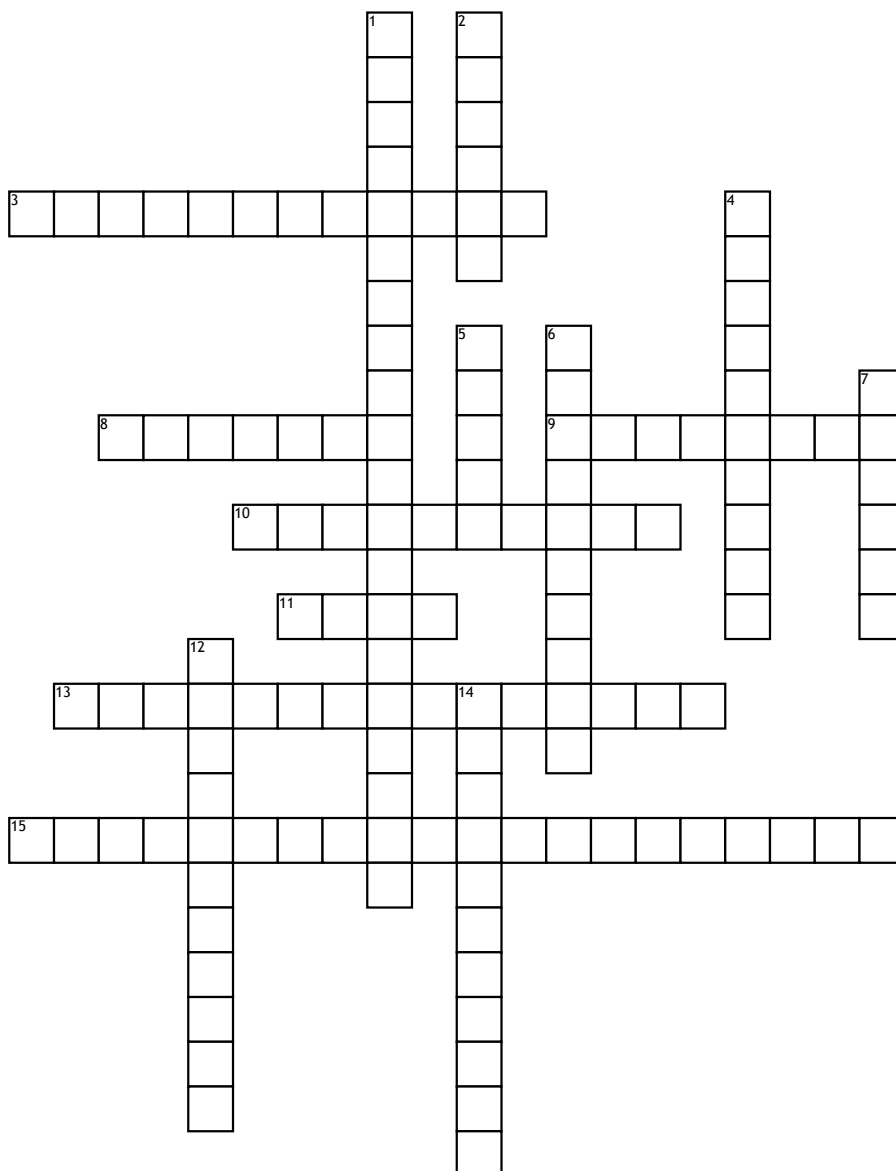


# Thermochemistry Crossword



**Across**

- 3. Everything in the universe outside of the system
- 8. The quantity of heat needed to raise the temperature of 1g of pure water
- 9. The heat content of a system at constant pressure
- 10. a process that releases heat to its surroundings
- 11. Energy that transfers from one object to another because of a temperature difference between the objects

13. Energy stored in chemical bonds is

15. In any chemical or physical process, energy is neither created nor destroyed

**Down**

1. Amount of heat needed to increase the temperature of 1g of a substance to one degrees celcius

2. The capacity for doing and producing heat is

4. The minimum energy colliding particles must have in order to react

5. The SI unit of energy; 4.184J equal to 1 calorie

6. The study of energy changes that occur during chemical reactions and changes in state is

7. A part of the universe on which you focus your attention is

12. A measure of the average kinetic energy of particles in matter is

14. A process that absorbs heat from the surroundings