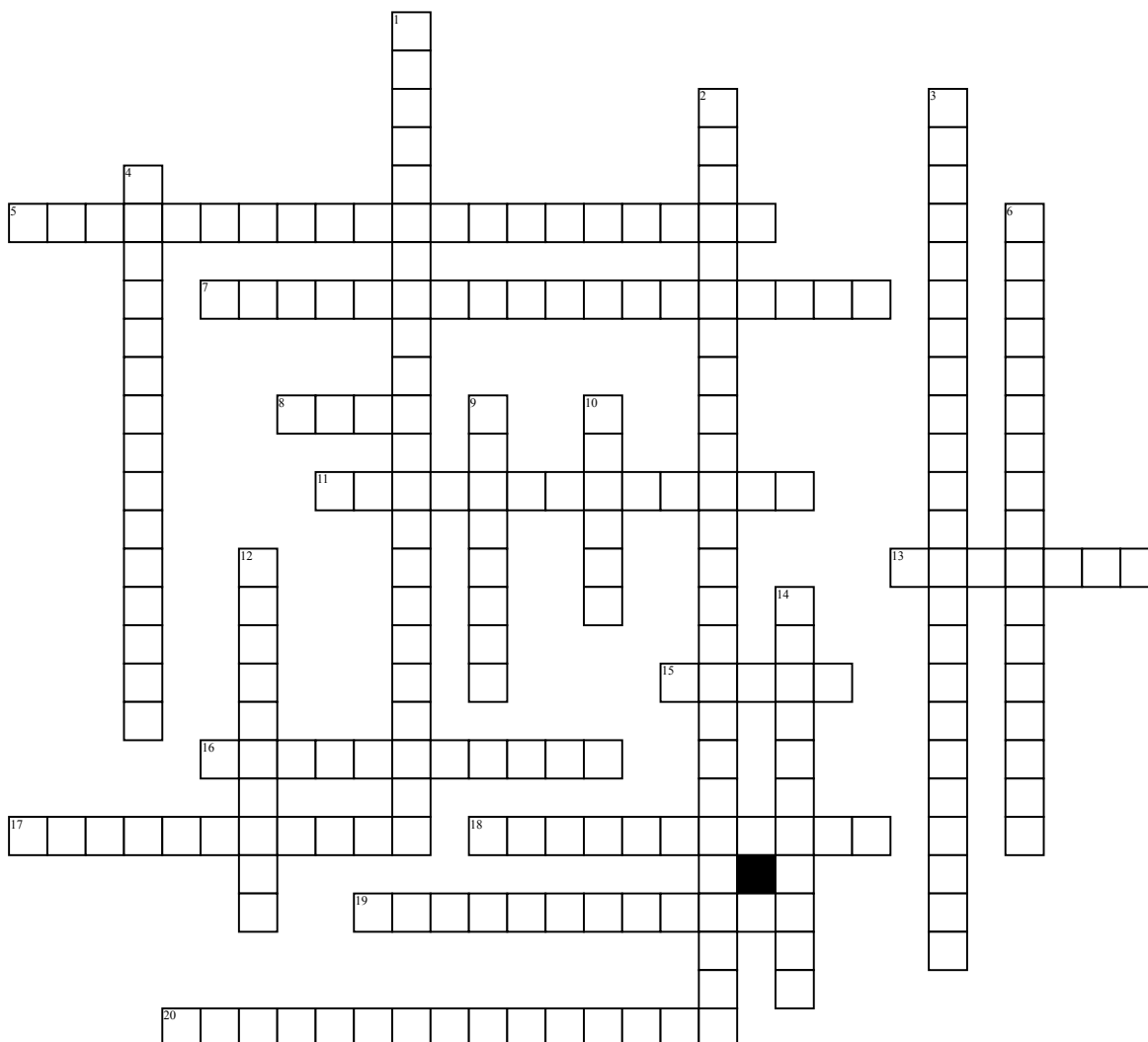


# Thermochemistry Vocab



## Across

5. When 1 mole of a compound is completely burnt in oxygen gas at 298k and 1 bar pressure.

7. A change that occurs in a system when one mole of matter is transformed by a chemical reaction under standard conditions.

8. Energy that can be transferred due to molecular movement.

11. Energy due to motion.

13. The energy needed to raise the temperature of 1g of water through 1c.

15. The SI unit of work or energy.

16. Measure of molecular movement.

17. The measurements of the quantity of heat exchanged.

18. When a reaction absorbs energy.

19. The heat required to raise the temperature of the unit of mass of a given amount.

20. Stored energy.

## Down

1. The transition of energy being absorbed or released during a chemical reaction or phase change

2. Energy cannot be created or destroyed.

3. Amount of heat needed to boil 1g of a substance at boiling point.

4. The study of energy transfer in the form of heat.

6. The amount of heat necessary to melt 1 mole of a substance at its melting point.

9. A thermodynamic quantity equivalent to the heat content of a system.

10. The ability to work.

12. A reaction that releases heat.

14. A measurement tool for the amount of heat involved in a chemical reaction or other process.