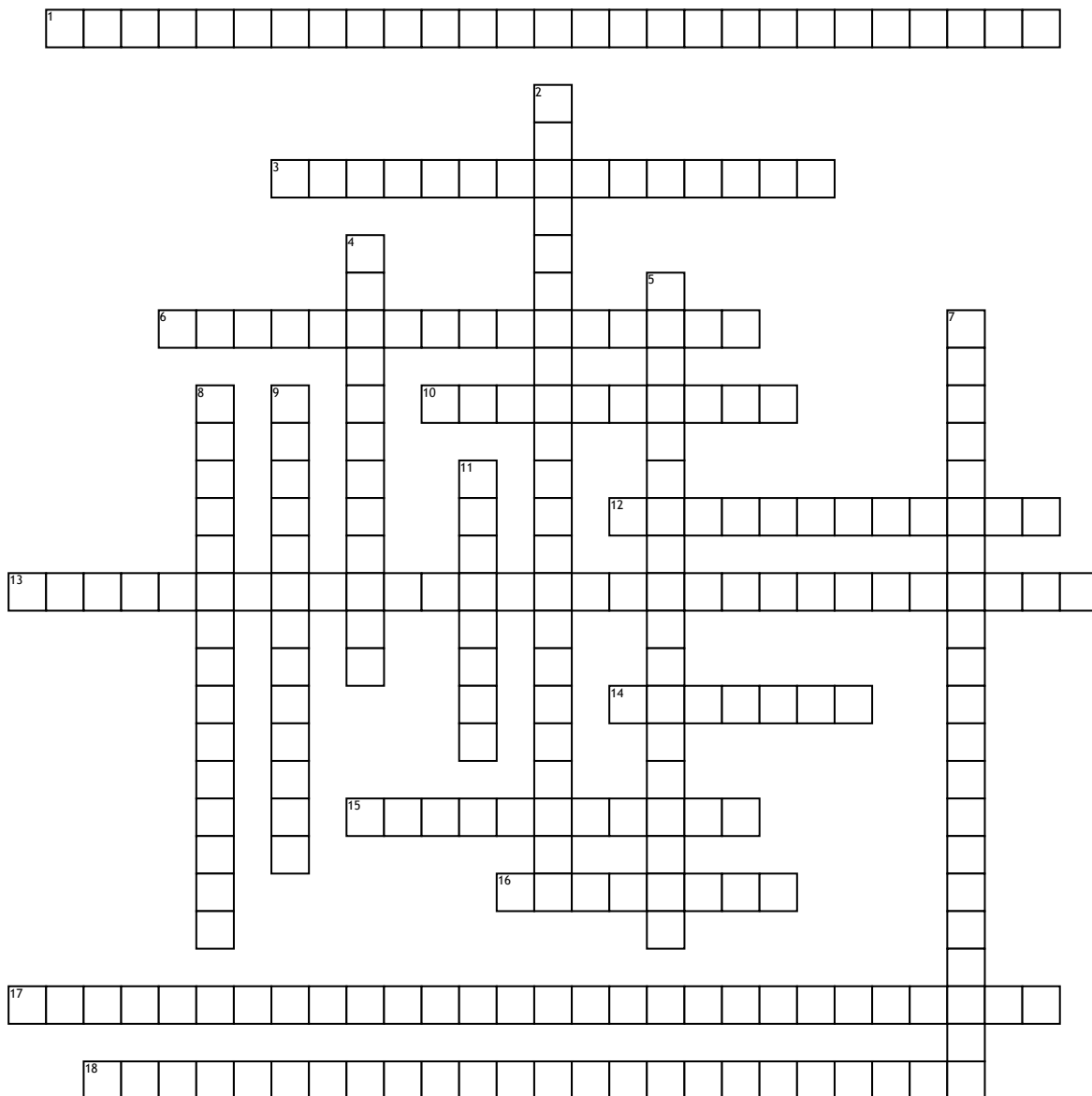


Chemistry Chapter 13



Across

- 1. AKA: the heat of vaporization
- 3. The enthalpy and entropy of a substance
- 6. The driving force of a reaction and indicator of spontaneity
- 10. Heat that produces a phase change while no temp change is observed
- 12. The amount of heat required to raise the temp of 1g of the substance by 1 Celsius
- 13. Caused by an exothermic reaction between materials

- 14. AKA: the law of constant heat summation
 - 15. The insulated container in which a thermometer detects the temp change that occurs during a chemical reaction
 - 16. The measure of randomness in a system
 - 17. AKA: the heat of formation
 - 18. Occurs when one mole of a compound is formed from its elements
- Down**
- 2. Shows the reactants, products, and amount of energy that's released or absorbed as heat

- 4. Heat energy that, when applied to a substance, produces a temp change in the substance
- 5. The change in enthalpy that occurs during a reaction
- 7. The amount of heat required to melt one mole of a solid to a liquid with no temp change
- 8. The study of energy transfers during chemical reactions or phase changes
- 9. In thermodynamics, 25 degrees Celsius (298 K), 1 atm of pressure
- 11. The energy (heat) content of a system at a constant pressure