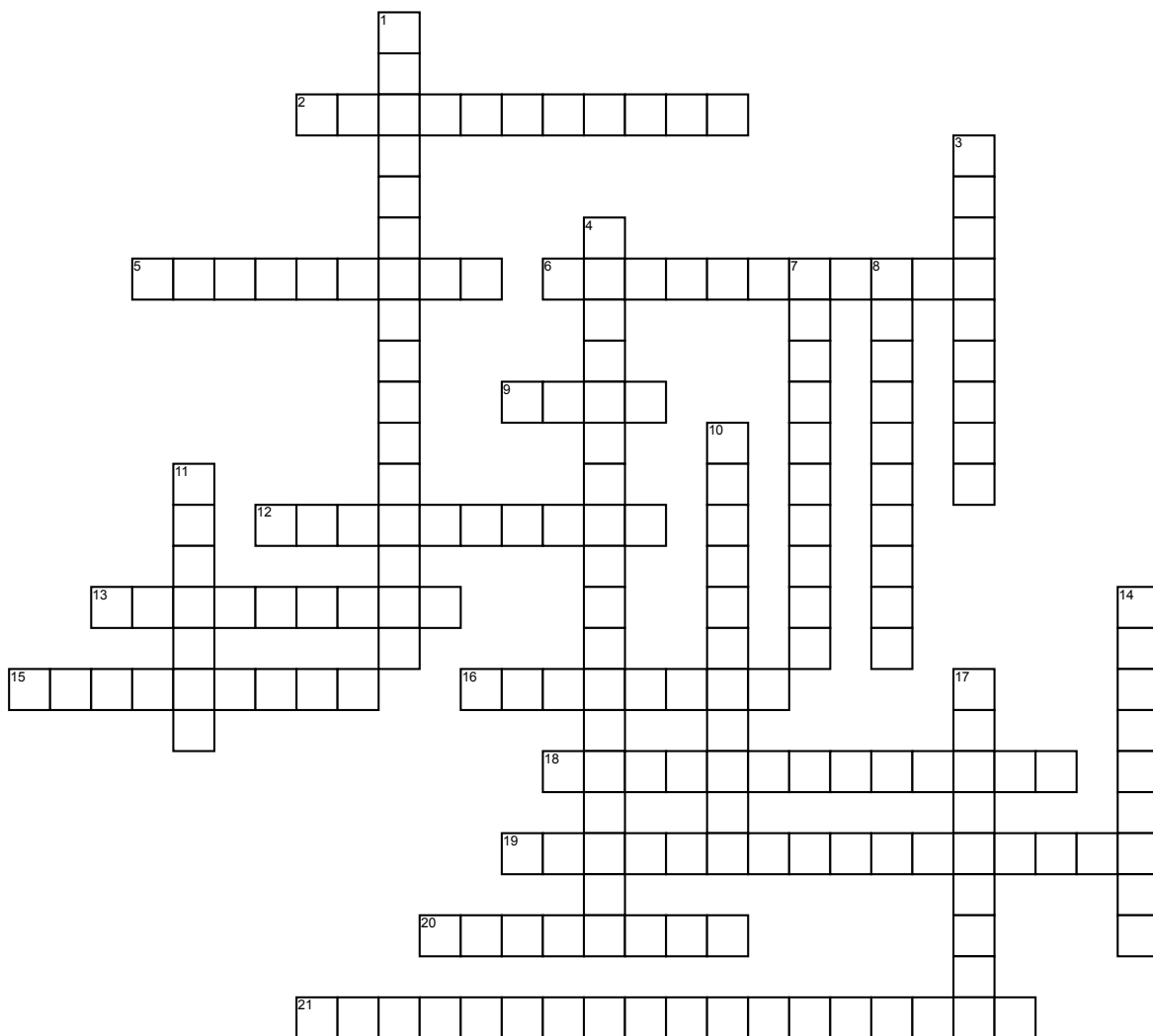


Chapter 19-Chemical Reactions



Across

2. The insoluble compound that comes out of a solution during a double displacement reaction
 5. The mass in grams of one mole of a substance
 6. The number of molecules (units) of each substance in the reaction
 9. The counting unit that a chemist uses because the number of particles involved in most reactions is very large
 12. The reaction where energy given off is primarily in the form of thermal energy
 13. The gaining of electrons
 15. The number of atoms in a molecule of a substance; falls slightly below the line

16. When the equation has an equal number of reactants and products is said to be
 18. In this reaction, one substance breaks down into two or more substances
 19. The way to describe a chemical reactions by using chemical formulas and symbols
 20. The starting substance that reacts
 21. In this reaction, one element replaces another element in a compound
Down

1. A change in which one or more substances are converted into new substances
 3. In this reaction, two or more substances combine to form another substance

4. In this reaction, the positive ion of one compound replaces the positive ion of the other to form two new substances
 7. This reaction occurs when a substance reacts with oxygen to produce energy in the form of light and heat
 8. The chemical reaction that requires more energy to break bonds than is released when new ones are formed
 10. The reaction that when energy is needed to keep the reaction going is in the form of thermal energy
 11. The new substance that is produced
 14. The chemical reaction that releases energy
 17. The loss of electrons