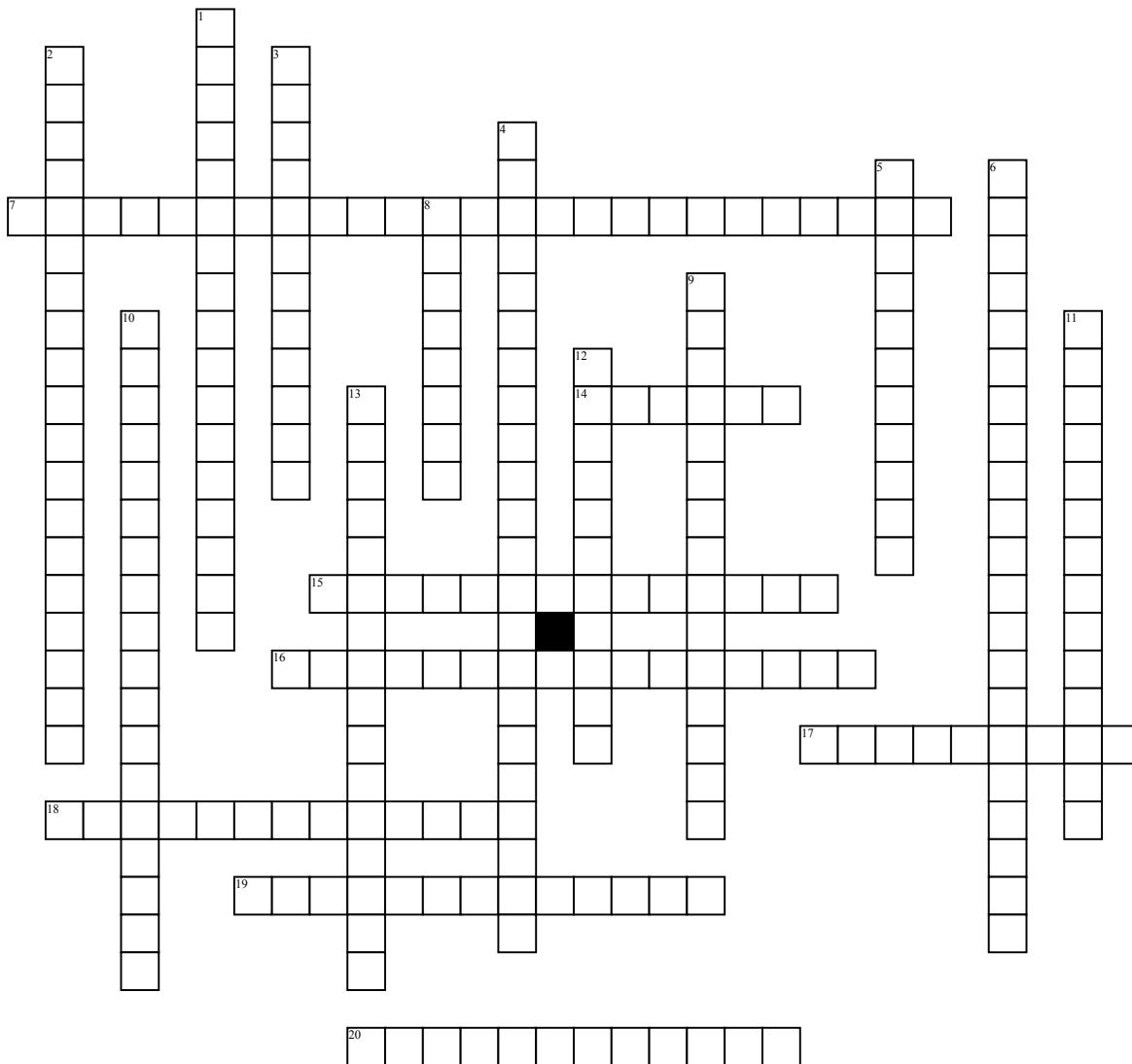


Name: \_\_\_\_\_

# Chemistry Crossword 1



## Across

- 7. A chemical change in which one element replaces a second element in a compound.
- 14. A positive ion.
- 15. A reactive metal will replace any metal listed.
- 16. Each side of the equation has the same number of atoms of each element and mass is conserved.
- 17. A conversion factor derived from the coefficients of a balanced chemical equation interpreted in terms of moles.
- 18. The reaction that is not completely used up in a reaction.
- 19. The calculations of quantities in chemical reactions.

20. An ion that appears on both sides of an equation and is not directly involved in the reaction.

## Down

- 1. A chemical change involving an exchange of positive ions between two compounds.
- 2. A chemical change in which two or more substances react to form a single new substance.
- 3. The ratio of the actual yield to the theoretical yield expressed as a percent.
- 4. An equation that shows dissolved ionic compounds as dissociated free ions.
- 5. Small whole numbers that are placed in front of the formulas in an equation in order to balance it.
- 6. A chemical change in which a single compound breaks down into two or more simpler products.
- 8. A substance that speeds up the reactant but is not used up in the reaction.
- 9. The Reaction that determines that amount of product that can be formed by a reaction.
- 10. A chemical change in which an element or a compound reacts with oxygen, often producing energy in form of heat and light.
- 11. A reactive metal will replace any metal listed.
- 12. The amount of product that actually forms when the reaction is carried out in the laboratory.
- 13. A representation of a chemical reaction; the formulas of the reactants (on the left) are connected by an arrow with the formulas of the products (in the right).