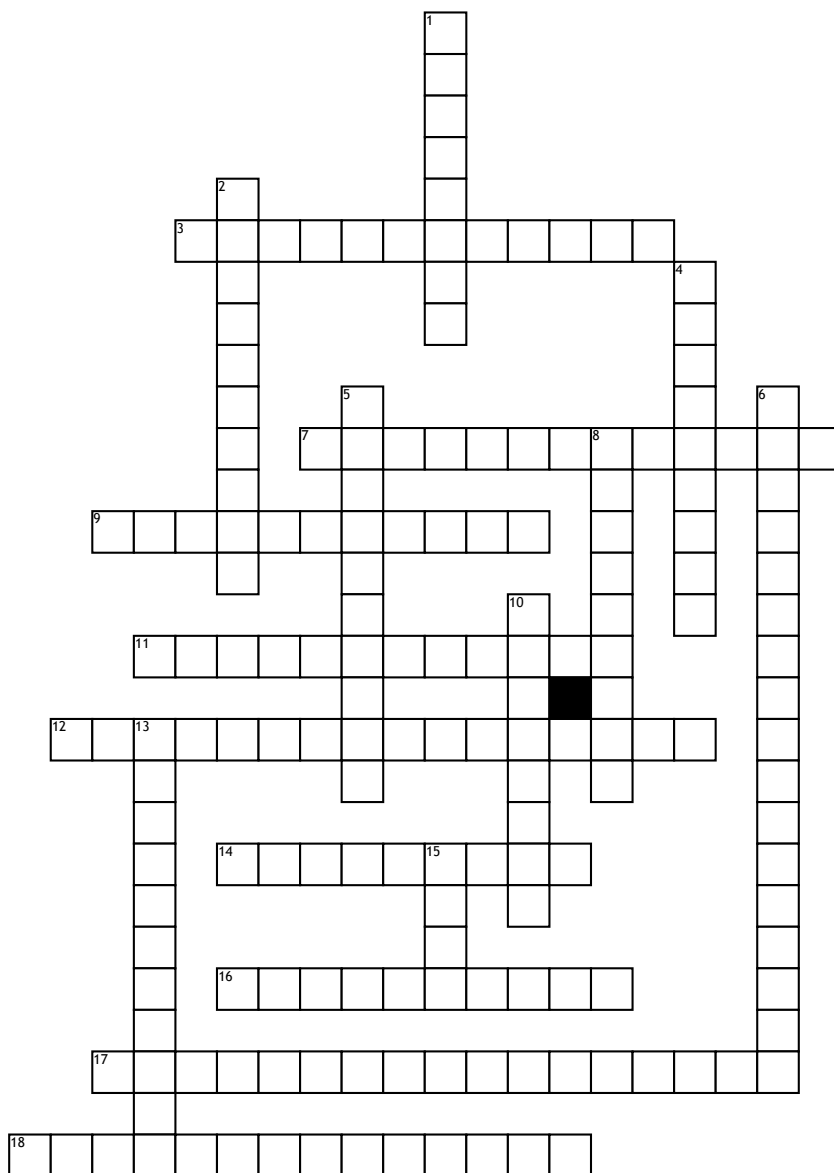


Name: _____

Date: _____

Chemical Reactions



Across

3. the numbers that appear before the formulas

7. a reaction in which a compound breaks down into two or more simpler substances

9. a chemical reaction that absorbs energy from its surroundings

11. is the rate at which reactants change into products over time

12. a representation of a chemical reaction in which the reactants and products are expressed as formulas

14. the mass of one mole of a substance is called a

16. a chemical reaction that releases energy to its surroundings

17. a reaction in which one element takes the place of another element in a compound

18. is the energy stored in the chemical bonds of a substance

Down

1. the new substances formed as a result of that change are called

2. one in which a substance reacts rapidly with oxygen

4. in a chemical reaction the substances that undergo change are called

5. a reaction in which the conversion of reactants into products

6. one in which two different compounds exchange positive ions and form two new compounds

8. a reaction in which two or more substances react to form a single substance is called a

10. a substance that affects the reaction rate without being used up in the reaction

13. a state in which the forward and reverse paths of a change take place at the same rate

15. is an amount of a substance that contains approximately 6.02×10^{23} particles of that substance