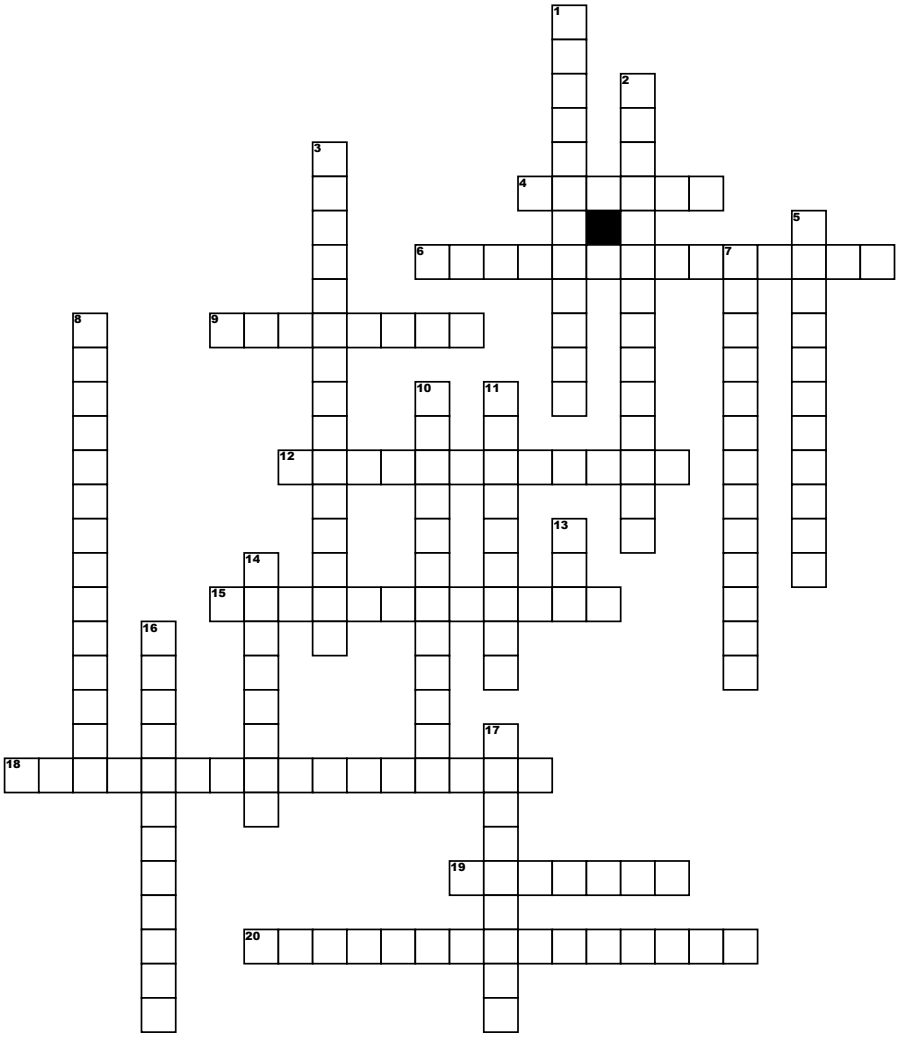
Bonding and Naming Vocabulary



Across

4. - matter with enough energy to overcome the attractive forces within its atoms, composed of positively and negatively charged particles

6. the easiest compounds to write and are composed of 2 elements

9. in a chemical reaction, the substance that reacts

12. attraction formed between atoms when they share electrons

15. the temperature in which the pressure of a liquid is equal to the external pressure acting on the surface of a liquid

18. process in which one or more substances are changed into new substances

19. in a chemical reaction, the new substance or substances formed

20. positive or negative number that indicates how many electrons an atom has gained, lost, or shared to become stable

Down

1. a covalent bond in which electrons are shared equally by both atoms

2. any change in size, shape, or state of matter in which the identity of the substance remains the same

3. chemical shorthand that uses symbols to tell what elements are in a compound and their ratios

5. the process of a solid changing directly to a vapor without forming a liquid

7. positively or negatively charged, covalently bonded groups of atoms

8. change of one substance into a new substance

10. temperature at which a solid begins to liquefy

11. the force of attraction between the opposite charges of the ions in an ionic compound

13. charged particle that has either more or fewer electrons than protons

14. a neutral particle that forms as a result of an electron sharing among atoms

16. force that holds atoms together in a compound

17. a covalent bond in which the electrons are not shared equally, resulting in a slightly positive end and a slightly negative end

Word Bank

chemical formula	reactant	oxidation number	melting point
ionic bond	boiling point	molecule	ion
plasma	polar bond	binary compound	non-polar bond
product	chemical bond	polyatomic ion	chemical reaction
chemical change	covalent bond	sublimation	physical change