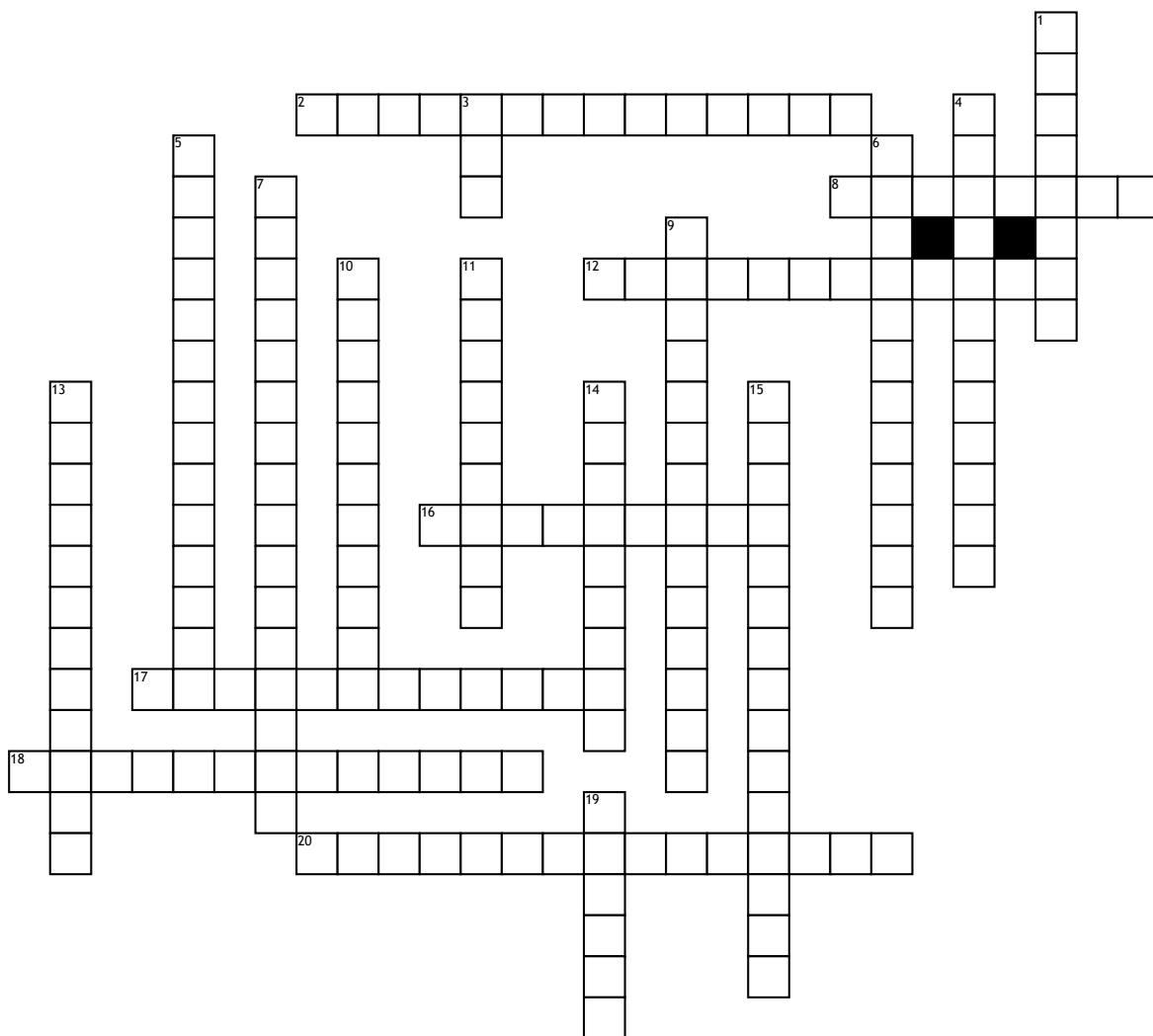


Name: _____

Date: _____

Bonding and Naming Vocabulary



Across

2. change of one substance into a new substance.
 8. a neutral particle that forms as a result of electron sharing of atoms
 12. the temperature at which the pressure of the vapor of a liquid is equal to the external pressure acting on the surface of the liquid.
 16. a bond that forms when electrons are transferred from one atom to another, which results in a positive ion and a negative ion
 17. temperature at which a solid begins to liquefy.
 18. positively or negatively charged, covalently bonded group of atoms.
 20. chemical shorthand that uses symbols to tell what elements are in a compound and their ratios

Down

1. in a chemical reaction, the new substance or substances formed.
 3. a charged particle that forms when an atom or group of atoms gains or loses one or more electrons
 4. force that holds atoms atoms together in a compound
 5. any change in size, shape, or state of matter in which the identity of the substance remains the same.
 6. a covalent in which electrons are shared equally and does not have oppositely charged ends
 7. process in which one or more substances are changed into new substances.
 9. a compound that is composed of two elements.

10. the process of a solid changing directly to a vapor without forming a liquid.
 11. a covalent in which electrons are not shared equally, resulting in a slightly positive end and a slightly negative end.
 13. attraction formed between atoms when they share electrons
 14. in a chemical reaction, it's the substance that reacts.
 15. positive or negative number that indicates how many electrons an atom has gained, lost, or shared to become stable.
 19. matter with enough energy to overcome the attractive forces within its atoms, composed of positively and negatively charged particles.