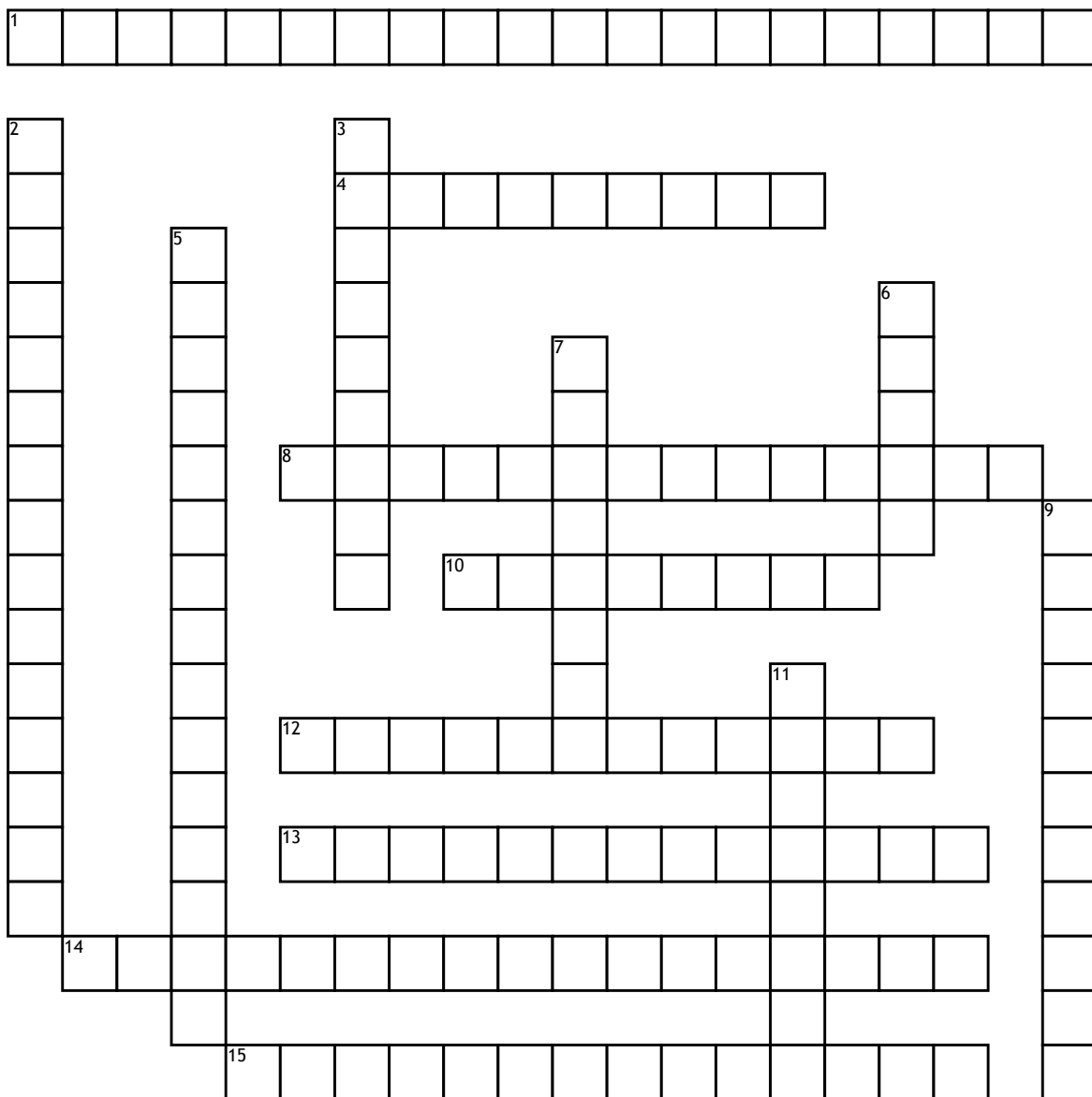


Name: _____

Date: _____

Chemistry - Chapter 6 Vocabulary



Across

1. electrons that can move between several different bonds
4. states that an atom tends to gain, lose, or share electrons until its outer level s and p orbitals are filled with eight electrons
8. groups of atoms that maintain a constant electrical charge while existing as a unit in a wide variety of chemical reactions
10. the tendency of an object to form two localized regions of opposite character
12. a force of attraction that holds atoms together in compounds that is produced by the transferring or sharing of electrons

13. forces exerted by electrical charges

14. offers an explanation of how metals bond

15. an extensive 3D structure of points or objects that represents the regular, alternating pattern of atoms or ions

Down

2. substances made of atoms covalently bonded into a continuous 3D network

3. the electrostatic attraction between two oppositely charged ions in a solid

5. 2D diagrams that use element symbols and dots to show the bonds between different atoms

6. a mixture of the atoms of a metal with another element where the mixture has metallic properties

7. bond created by a communal sharing of electrons between metal atoms

9. the simplest ratio of elements in an ionic compound that describes its composition

11. bond created when two atoms held together in an ion or molecule by their attraction for the same pair of shared electrons