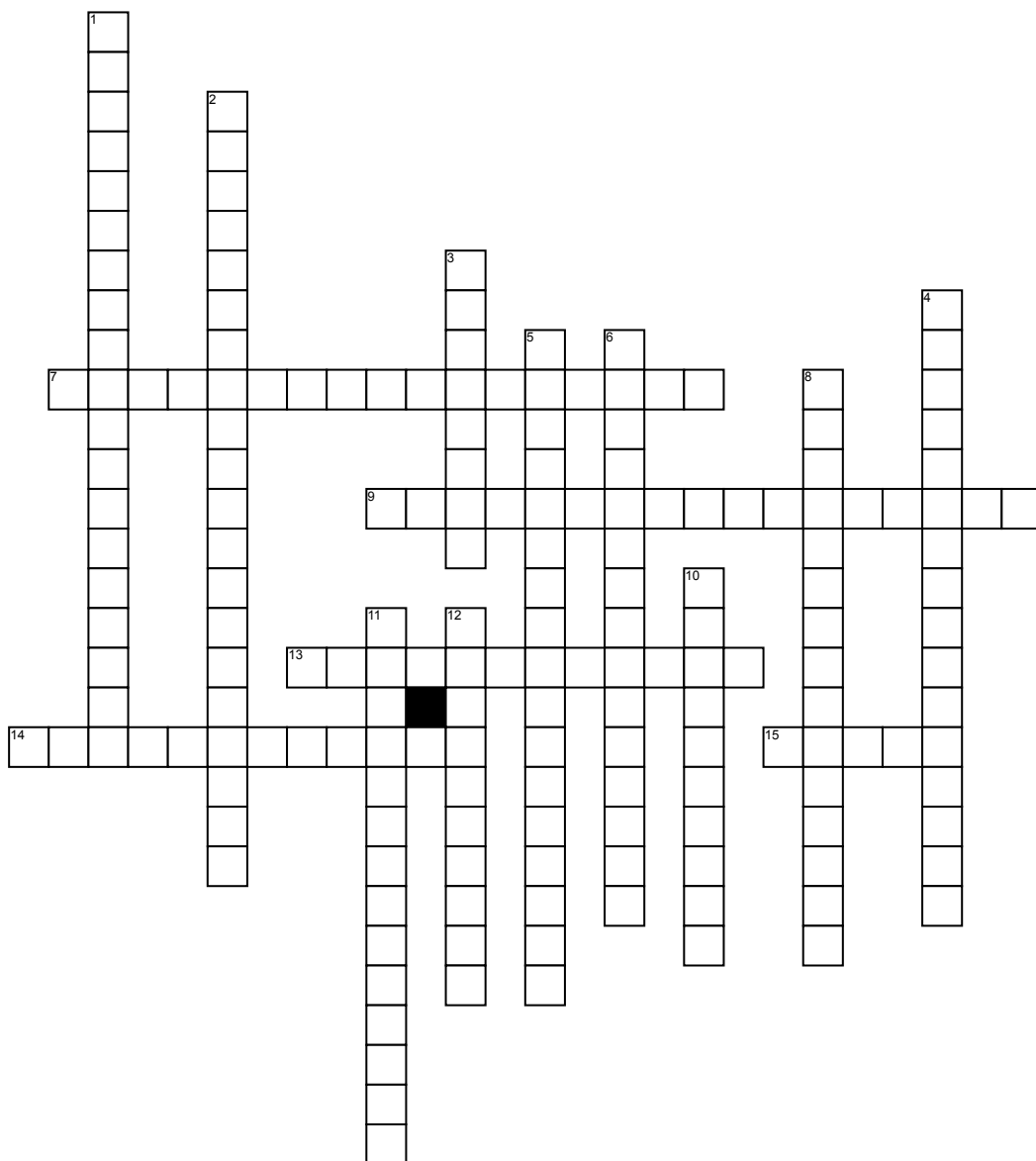


Name: _____

Date: _____

Chemical Bonding



Across

7. bonding is a type of chemical bond where a pair of electrons is unequally shared between two atoms.

9. atoms share electrons through covalent bonds.

13. a lasting attraction between atoms, ions or molecules that enables the formation of chemical compounds.

14. formed between two ions with opposite charges.

15. a covalent bond between two atoms where the electrons forming the bond are unequally distributed.

Down

1. electrons that are represented by dots; two dots between atoms represent a covalent bond.

2. two atoms share a pair of electrons with each other.

3. a group of atoms or 1 or 2 atoms or more

4. a formula giving the number of atoms of each of the elements present in one molecule of a specific compound.

5. a formula that shows the arrangement of atoms in the molecule of a compound.

6. A chemical bond formed by the sharing of one or more electrons, especially pairs of electrons, between atoms

8. tells us the number of atoms of each element in a compound.

10. energy required to break apart a mole of molecules into its component atoms

11. diagrams that show the bonding between atoms of a molecule

12. one pair of electrons is shared by two atoms in a molecule