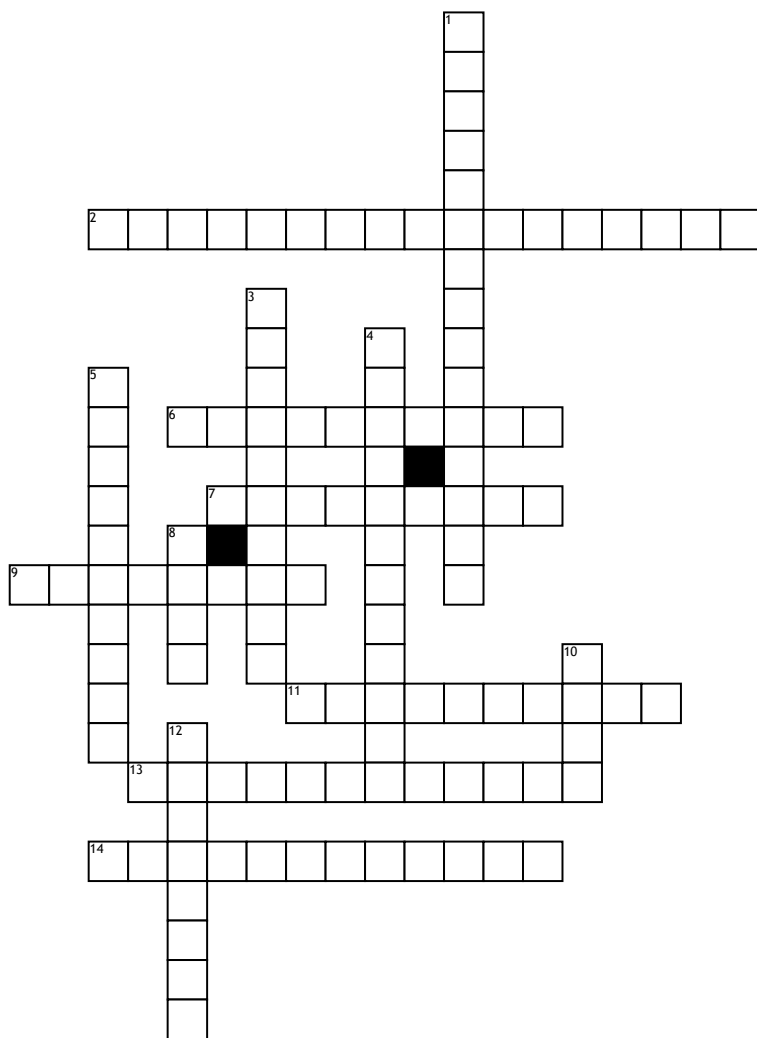


Name: _____

Date: _____

Chemical Bonding Crossword Puzzle



Across

2. A chemical compound whose simplest unit is a compound.
 6. The energy required to break a chemical bond in order to form an isolated, neutral atom.
 7. States that atoms lose, gain, or share electrons in order to acquire a full set of eight valence electrons.
 9. A stable subatomic particle with a charge of negative electricity, found in all atoms and acting as the primary carrier of electricity in solids.
 11. A bond formed by sharing three pairs of electrons.

13. Results from the sharing of electron pairs between two atoms.

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

Down

1. Shows the number of each atom in a compound.
 3. A type of chemical bonding that involves the electrostatic attraction between oppositely charged ions, or between two atoms with sharply different electronegativities, and is the primary interaction occurring in ionic compounds.

4. Ions that are made of more than one atom.
 5. The distance between two bonded atoms at their minimum potential energy.
 8. The simplest structural unit of an element or compound.
 10. An electrical force linking atoms.
 12. A neutral group of atoms that are held together by covalent bonds.

Word Bank

Molecular Compound
 Bond
 Triple Bond
 Monatomic Ion

Molecule
 Covalent Bond
 Bond Energy
 Ionic Bond

Chemical Formula
 Bond Length
 Octet Rule

Chemical Bond
 Electron
 Atom