

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Chemical Bonding

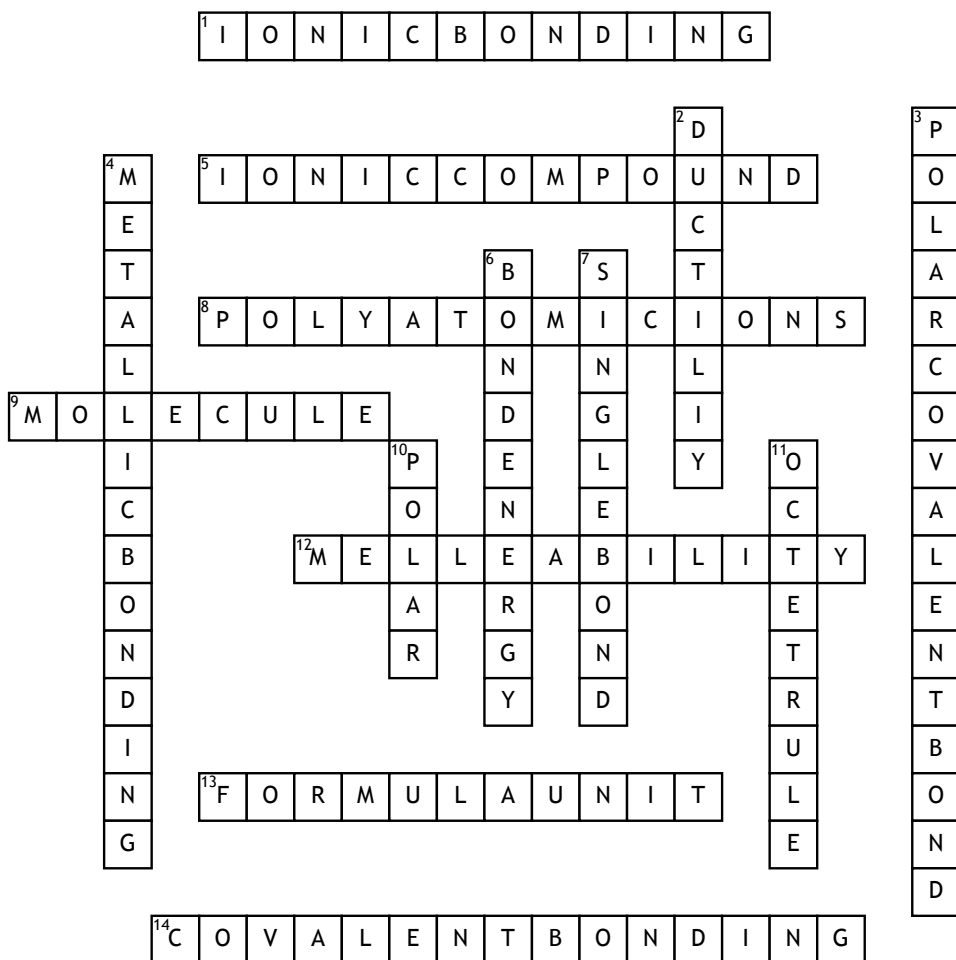
## Across

1. Bonding which results from the electrical attraction between cations and anions
5. compound that consists of positive and negative ions
8. A charged group of covalently bonded atoms
9. the simplest structural unit of an element
12. ability of a substance to be hammered into thin sheets
13. simplest collection of atoms from which an ionic compound's formula can be established

14. when two atoms share a pair of electrons

## Down

2. ability of a substance to be drawn or pulled through a small opening to make a wire
3. Covalent bond when electrons are not shared equally
4. bonding that results from the attraction between metal atoms and the surrounding sea of electrons



6. energy required to break a chemical bond and form isolated atoms

7. covalent bond when one pair of electrons is shared between two atoms

10. bonding that has an uneven distribution of charge

11. in a chemical compound the max amount of electrons is 8 in the highest energy level

