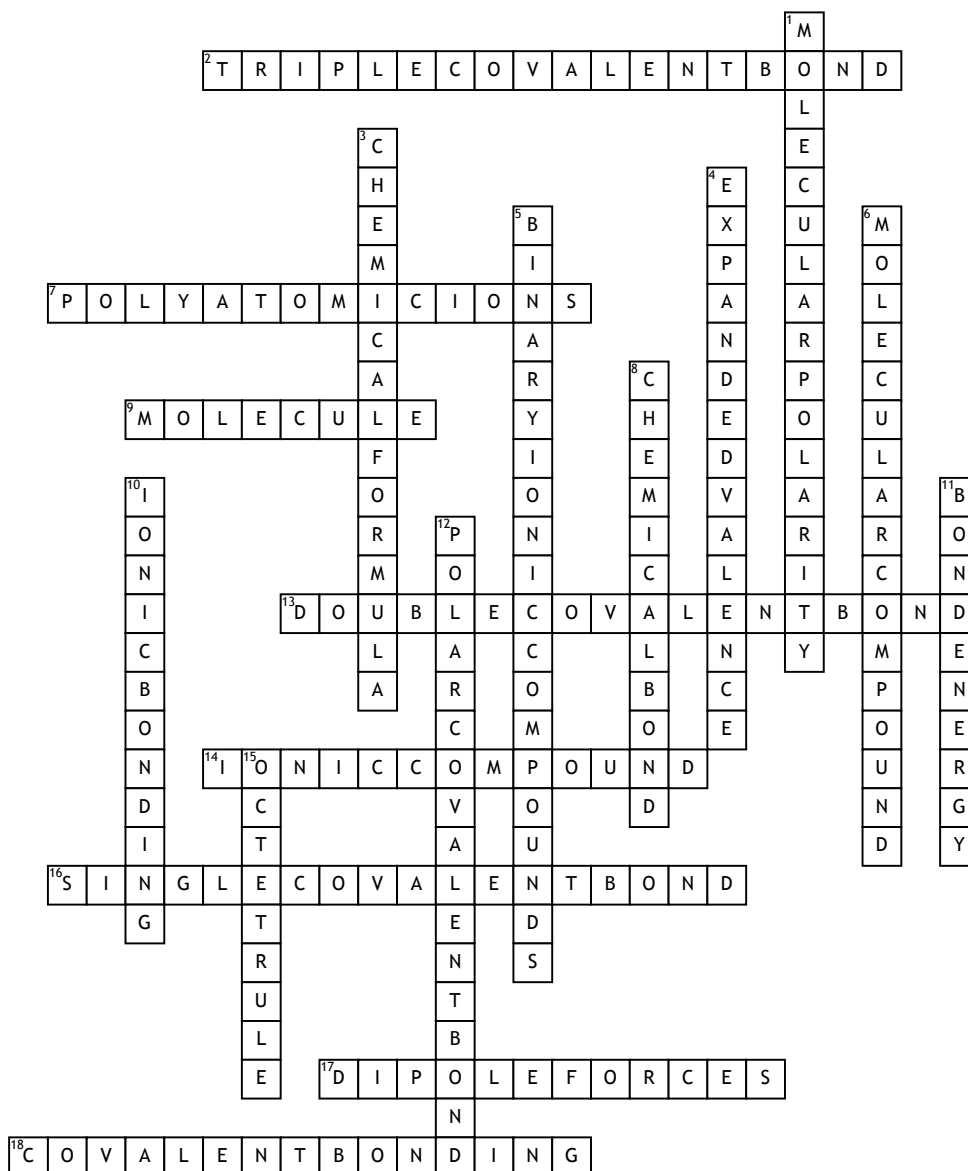


Name: _____

Date: _____

chemical bonding



Across

2. a bond formed by sharing three pairs of electrons
7. ions that are made of more than one atom
9. the simplest structural unit of an element or compound
13. a bond in which two atoms share two pairs of electrons
14. a compound that consists of positive and negative ions
16. a bond formed when two atoms share a pair of electrons
17. attractions between oppositely charged regions of polar molecules

18. results from the sharing of electron pairs between two atoms

Down

1. the uneven distribution of molecular charge
3. a representation of a substance using symbols for its constituent elements
4. atoms gain more than 8 valence electrons
5. compounds composed of two different elements
6. a chemical compound whose simplest unit are molecule
8. an electrical force linking atoms

10. chemical bonding that results from the electrical attraction between large number of cations and anions

11. the energy required to break a chemical bond and form neutral isolated atoms

12. A covalent bond where electrons are not shared equally

15. States that atoms lose, gain or share electrons in order to acquire a full set of eight valence electrons