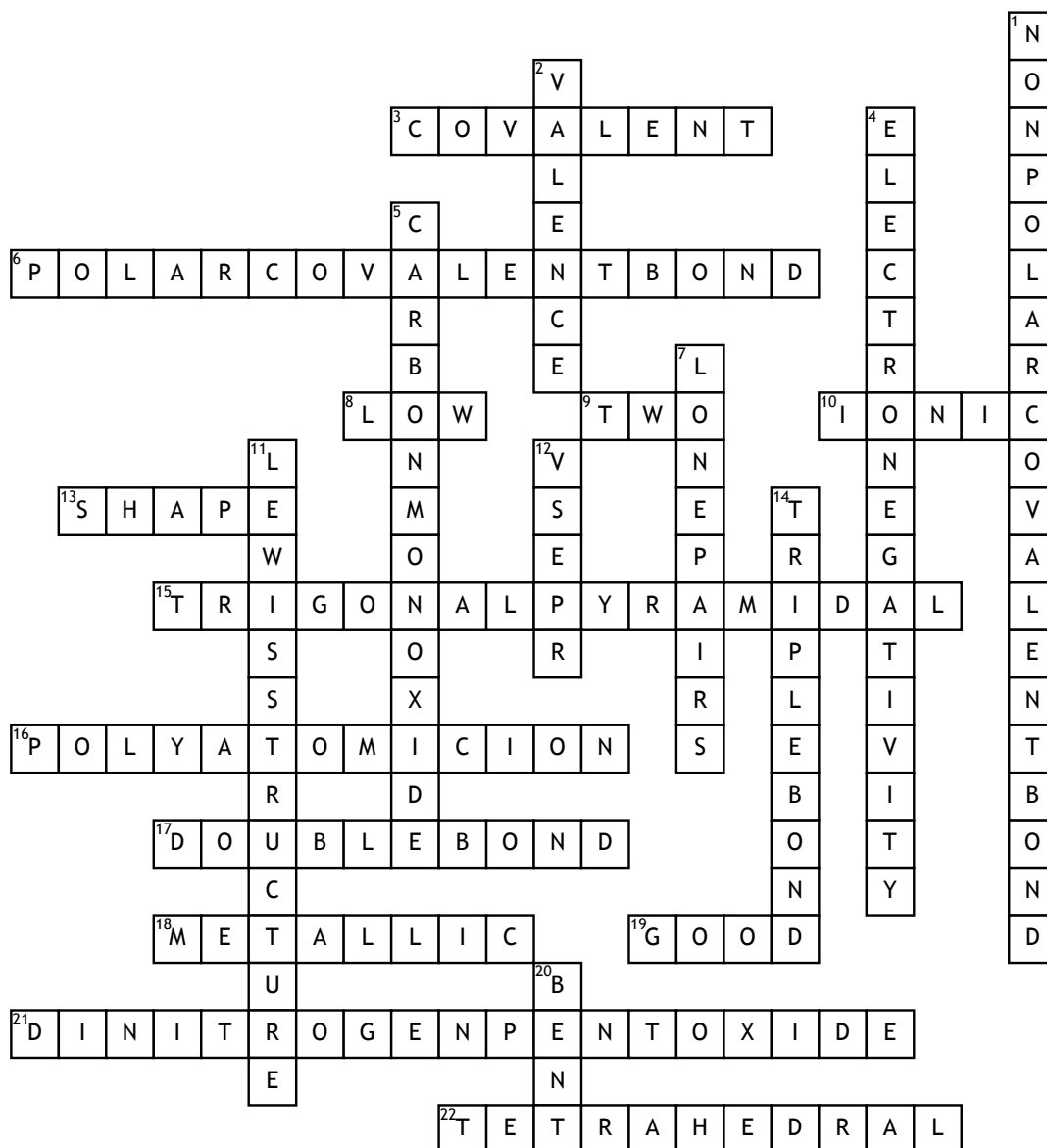


Name: _____

Date: _____

Chemical Bonding



Across

3. A bond formed by sharing electrons
6. Electrons are shared unequally
8. Covalent bonds have _____ melting points
9. The number of shared electrons in a single covalent bond
10. A bond that forms between metals and nonmetals
13. This ultimately determine polarity

15. The shape formed by three bonds and one lone pair
16. A group of atoms that carries a charge
17. Sharing two pairs of electrons
18. A bond held together by a sea of mobile valence electrons
19. Ionic bonds are _____ conductors
21. The name of N₂O₅
22. The shape formed by four bonded electron domains

Down

1. Electrons are shared equally

2. Electrons in the outermost energy level

4. The ability of an atom to attract electrons to itself

5. The name of CO

7. Unshared electrons that occupy the most space

11. A drawing of covalent molecules that represents the electron distribution

12. Valence Shell Electron Pair Repulsion

14. Sharing three pairs of electrons

20. A water molecule forms this shape