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