

1. Define in your own words!
 - a. Covalent bond
 - b. Molecule
2. Atoms bonds to achieve _____. They accomplish this by either transferring or _____ electrons. Sharing electrons results in a _____ bond. Once bonded the atoms have lower _____ than the individual atoms had. Since energy is released in the process of bonding, it is classified as an _____ reaction.
3. Two forces are always acting on the particle in an atom. The force that pulls particles together is known as _____, and the force that pushes particles apart is known as _____.
4. Describe how both attractive and repulsive forces during the formation of a covalent bond.
5. Despite the repulsive forces pushing them apart, electrons tend to stay together in pairs. Pair of electrons involved in a bond may be called a _____ pair, while electrons not involved in a bond would be known as a _____ pair.
6. Given the number of electrons, provide two names for the type of bond that would be formed.

electrons	Bond name #1	Bond name #2
2		
4		
6		

7. What must happen to break a covalent bond?

