

Name _____ Date _____

CHEMICAL BONDS

Use the following terms to complete the sentence below.

polar bond	metallic bond	molecule	covalent bond
ion	polar molecule	compound	chemical bond
electron cloud	ionic bond	formula	electron dot diagram

1. Ions are held close together by a(n) ionic bond.
2. A charged atom particle is called a(n) ion.
3. A force that holds two atoms together is a(n) chemical bond.
4. A pure substance that contains two or more elements is a(n) compound.
5. A(n) covalent bond forms between atoms when they share electrons.
6. A(n) molecule is formed when atoms form covalent bonds.
7. NaCl is an example of a chemical formula.
8. A(n) electron dot diagram is a way to represent atoms and electrons in their outer energy levels.
9. Electrons are shared unequally in a(n) polar bond.
10. A(n) polar molecule has a slight positive charge on one end and a slight negative charge on the other end.
11. The area of space around the nucleus in which an atom's electrons travel is called the electron cloud.
12. When metal atoms share their pooled electrons, a metallic bond is formed.