



Directed Reading for
Content Mastery

Key Terms

Atomic Structure and Chemical Bonds

Directions: Use the following terms to complete the sentences below.

polar bond

compound

chemical bond

ion

ionic bond

covalent bond

polar molecule

electron cloud

molecule

formula

electron dot diagram

metallic bond

1. Ions are held close together by a(n) _____.
2. A charged atom particle is called a(n) _____.
3. A force that holds two atoms together is a(n) _____.
4. A pure substance that contains two or more elements is a(n) _____.
5. A(n) _____ forms between atoms when they share electrons.
6. A(n) _____ is formed when atoms form covalent bonds.
7. NaCl is an example of a chemical _____.
8. A(n) _____ is a way to represent atoms and electrons in their outer energy levels.
9. Electrons are shared unequally in a(n) _____.
10. A(n) _____ 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 _____.
12. When metal atoms share their pooled electrons, a _____ is formed.