

ionic bond

ion

Valence electrons  
2 words

Energy levels  
2 words

Bond that involves the transfer of an electron

Charged particles (pg 16)

The energy it takes to remove an electron

ionization energy  
2 words

Electrons are arranged in (pg 12)

Outer shell electrons

molecules

Chemical bonding  
2 words

Combining atoms to form new substances

**Chemistry of Matter Chapter 1**

Bond that involves the sharing of electrons

Form (pg 23)

Covalent bond

Oxidation Number  
2 words

The number of electrons an atom can gain or lose (pg. 30)

A group of covalently bonded atoms that act like a single atom

Polyatomic ion  
2 words

Diagram where dots symbolize valance electrons

Metallic Bonds are

Example (pg 24)

(list 3)

electron dot diagram

define  
bond formed by atoms of metals  
- all electrons form an electron cloud and are shared

- ammonium
- acetate
- chlorate...