# Topic List for Bonding Unit

# General Chemistry

octet rule

ions: anions and cations

potential energy and stability of atoms

ionic compounds (salts)

 ionic bonds

 properties of salts

 high melting and boiling points

 conduction of electricity

 hardness and brittleness

crystal lattice

metallic bonding

properties of metals

 ductile

 conduction of electricity

monatomic ions and polyatomic ions (binary compounds)

 naming from formulas

 formulas from name

covalent bonds

properties of covalent compounds

 nonconducting

polar / nonpolar molecules

Lewis structures

structural diagrams

isomers