# 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