	Notes: Metallic Bonding
Ionic and Covalent Bonds	
What happens to the electro	ons of <i>metals</i> ?
What happens to the electro	ons of <i>nonmetals</i> ?
What does this interaction of	create?
How do ions arrange thems	elves?
What does sharing electron	s create?
Why don't covalent molecu	les come apart as easily as ionic salts?
Which type of bond is stron	ger: ionic or covalent?
How do covalent compound	Is arrange themselves?
Are the interactions betwee	n molecules strong or weak?
Metallic Bonding	
What happens to the valence	e electron shells of metal atoms in a sample of metal?
What happens to valence el	ectrons in metals?
How does metallic bonding	compare to ionic and covalent bonds?
What do delocalized electro	ons respond to easily?
What property does this giv	e metals?
How does heat affect the el	ectrons' motion?
What does the <i>lattice struct</i>	<i>ure</i> of metals allow to happen very well inside of a metal.
What property do these fac	ts give metals?
What is not between two m	etal atoms?
What property do these fac	ts give metals?
Define <i>malleable</i> :	

What is an <i>alloy</i> ?
What does mixing metals affect?
What are some examples of alloys?
How are metals put into or separated from an alloy?
Is melting a physical or a chemical change?
What type of mixture are alloys?
Define <i>molten</i> :
Explain how the properties of metals are related to the nature of metallic bonding. Be sure to cite examples in your explanation.
Chicken Foot

STUDENTS MAY NOT WRITE OUTSIDE THE BOX

This box has been reduced in size from the standard 26 lines, but it should be sufficient for this assignment.