Worksheet: Introduction to Bonding

Name____

For each of the following states for metallic.	ments, write "I" for ionic, " <i>C</i> " fo	r covalent and "M"
electrons are shared electrons delocalized electrons are transferred crystal lattice luster nonconductors in the solid malleable and ductile high melting and boiling portion volatile liquids and gases weaker forces between and hard—difficult to crush	d, molten, and dissolved state	
What is the difference between a cation and an anion?		
In a polar covalent bond, the electrons are	ectrons are shared e shared	In a nonpolar
What type of bond will form between the following pairs of atoms?		
H and F	Na and O	Cl and Cl
Fe and S	Si and O	Mg and O