NOTES for Metals, Nonmetals & Metalloids

Metals, Nonmetals, & Metalloids Most periodic tables contain a line which allows you to identify which elements are metals, nonmetals, and metalloids. Following are descriptions of each of the three types of materials. Metals Most elements are metals. 88 elements to the left of the stairstep line are or metal like elements.	Nonmetals 1
Physical Properties of Metals: Luster () Good conductors of and High (heavy for their size) High melting (most metals can be drawn out into thin wires) (most metals can be hammered into thin sheets)	 Easily lose Corrode easily. Corrosion is a gradual wearing away due to oxygen reacting with the metal. (Example: silver tarnishing and iron rusting)
Nonmetals Nonmetals are found to the right of the stairstep line. Their of the stairstep line. The stairstep line line line line line line line line	characteristics are opposite those of metals. Chemical Properties of Nonmetals: Tend to gain
	gain electrons, metals and nonmetals like to form compounds <i>unds</i> . When two or more nonmetals bond with each other, they
Elements on both sides of the zigzag line have properties o metalloids.	f both metals and nonmetals. These elements are called
Physical Properties of Metalloids:	
 (not liquids or gases) Can be shiny or dull Ductile Malleable Conduct heat and electricity better than 	but not as well as