

Name _____
 Period _____

JMJ

Date _____
 Miss Pisciotta

Properties of a metal: lustre, conductivity, malleability, ductility

Alkali Metal	Alkaline Earth Metal	Transition Metal
Elements are: <u>Li, Na, K, Rb, Cs, Fr</u>	Elements are: <u>Be, Mg, Ca, Sr, Ba, Ra</u>	Some elements are: <u>Ni, Cu, Ag, Au, Zn, Co, Ti</u>
Group #: <u>1</u>	Group #: <u>2</u>	Group #: <u>3-12</u>
Properties: <ul style="list-style-type: none"> • occur in compounds • react quickly with oxygen + water • lowest density • silver • soft 	Properties: <ul style="list-style-type: none"> • occur in compounds • reacts quickly (not as AM) with oxygen + water • low density (> AM) • silver • soft 	Properties: <ul style="list-style-type: none"> • higher density, strength, MP, BP than AM + AEM • do not react quick with oxygen • occur in compounds + as free elements.

Nonmetal properties are: gas, solid → brittle, insulator

Group #14-16	Halogens	Noble Gases
Name for 15: <u>pnicogen</u> Name for 16: <u>chalcogen</u>	Elements are: <u>F, Cl, Br, I, At</u>	Elements are: <u>He, Ne, Ar, Kr, Xe, Rn</u>
Properties: <ul style="list-style-type: none"> • can be free + compounds • similar chemical • different physical 	Group #: <u>17 / 7 v.e⁻</u> Properties: <ul style="list-style-type: none"> • very reactive • compounds • salts 	Group #: <u>18 / 8 v.e⁻</u> Properties: <ul style="list-style-type: none"> • stable • free elements
	Use: <u>table salt, de-ice</u>	Use: <u>fluorescent lighting</u>