













Vhat are the different metallic groups on the periodic



INSERT PICTURE

- Soft can be cut with a knife
 Very reactive
- 4) Valence electrons? 1
- 5) Form ions with a charge of 1+.
- 6) Uses: Detergents, fertilizer, explosives, water softening, research

What are the different metallic groups on the periodic table? ALKALI METALS STUDENT PRESENTATION Na & K

LKALINE EARTH METALS

- **B.** Alkaline Earth Metals (Group 2)
- 1) Examples: Be, Mg, Ca, Sr, Ba, Ra
 - 2) Less reactive than Alkali metals

What are the different metallic groups on the periodic table?

- 3) Valence electrons? 2
- 4) Form ions with a charge of 2+.
- 5) Uses: construction (Ca: marble & limestone; Mg: airplanes), body function (Mg activates enzymes) & skeletons (Ca: bones), medicines (Ba: the "GI cocktail")

INSERT PICTURE

ALKALINE EARTH METALS

STUDENT PRESENTATION

What are the different metallic groups on the periodic table?

Ca & Mg



RANSITION METALS

STUDENT PRESENTATIONS

What are the different metallic groups on the periodic table?

Cr, Mn, & Fe

Cu, Ag, & Au Zn, Cd, & Hg

ARE EARTH METALS

D. Rare Earth Metals

- 1) Examples: Lanthanides (58 71)
- Actinides (90 103) 2) Most have Radioactive Isotopes
- 3) Elements with Z > 92 are Man-Made (Synthetic)
- 4) Forms Cations with 2+ to 6+ Charge
- Uses: Glow-in-dark paint (Pm), nuclear reactors (U), strong magnets & lasers (Nd), smoke detectors (Am), portable x-ray machines (Sm)

INSERT PICTURE

hat are the different metallic groups on the periodic table



How did Mendeleev arrange the elements in the periodic table? How did Moseley arrange the elements in the periodic table?		
 III. Alloys A. Definition: A homogeneous mixture of two or more elements, at least one of which is a metal, and where the resulting material has metallic properties. B. Examples: 	INSERT PICTURE	
 Brass (Copper & Zinc) Bronze (Copper & Tin) Steel (Iron & Carbon) Gold [Bonus Example]: Yellow Gold: Gold & Copper White Gold: Gold & Silver Rose Gold: Gold & Nickel 		

How did Mendeleev arrange the elements in the periodic table? How did Moseley arrange the elements in the periodic table? ORES (ADD AFTER ALLOYS)		
 IV. Ores + Definition: Minerals containing metal compounds. 	INSERT PICTURE	