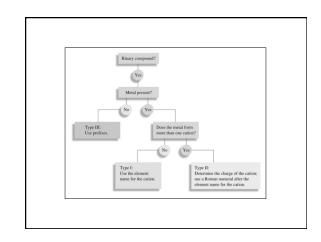
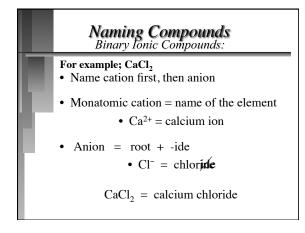
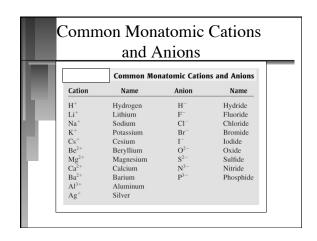


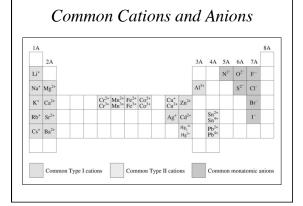
Nomenclature

- Nomenclature: the naming of compounds
- Governed by the IUPAC: *International Union of Pure and Applied Chemistry*
- International rules are updated periodically
- General schemes and examples follow:





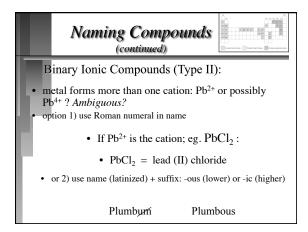


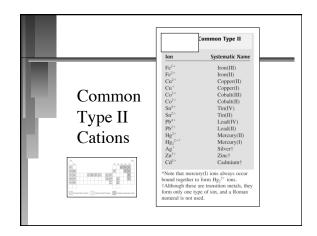


QUESTION

The correct name for LiCl is:

- A) lithium monochloride.
- B) lithium (I) chloride.
- C) monolithium chloride.
- D) lithium chloride.
- E) monolithium monochloride.





Naming Compounds

(continued)

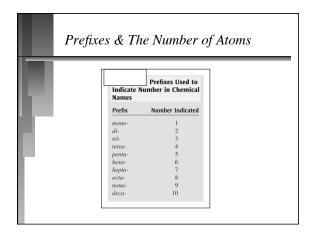
Binary compounds (Type III):

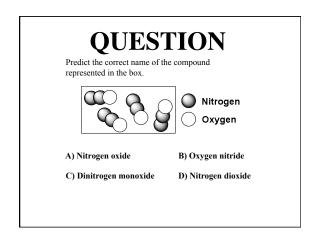
- Compounds formed between two nonmetals
- First element in the formula is named first. It is the more electropositive.
- Second element is named as if it were an anion
- Use prefixes to count the # of atoms.
- Do not normally use mono as a prefix.-
 - P_2O_5 = diphosphorus pentoxide

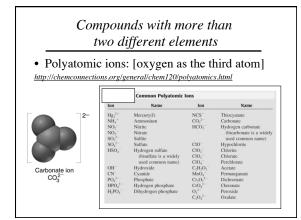
QUESTION

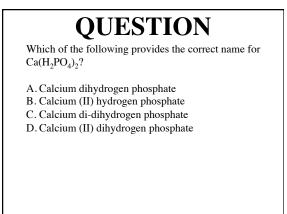
The correct name for FeO is:

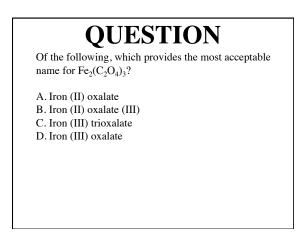
- A) iron oxide.
- B) iron (II) oxide.
- C) iron (III) oxide.
- D) iron monoxide.
- E) iron (I) oxide.

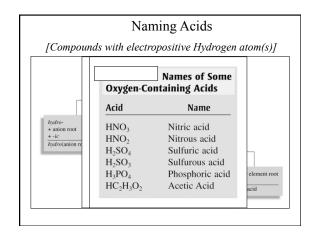












QUESTION

Hypochlorous acid is related to the anion found in common household bleach. Which of the following is that common anion?

A. ClO₄-

B. ClO_3^-

C. ClO₂-

D. ClO-

Names from Formulas Name the following		
• SO ₂	CaBr_2	$Zn(NO_3)_2$
• PCl ₅	$(NH_4)_2SO_4$	FeO
• HI _(aq)	HBrO	NaClO ₄

Formulas from Names

Provide formulas for the following

- Sulfur trioxide
- Magnesium chloride
- Lead (IV) sulfate
- Diphosphorus pentasulfide
- Ammonium phosphate
- Iron (III) oxide
- Hydrobromic acid
- · Chloric acid
- Sodium chlorite