Homework Questions?

Main Topics on Unit 3 Test

- naming compounds
- writing formulas from names
- percent mass
- molar mass
- converting from g to mol and mol to g
- Lewis structures
- VSEPR
- -including name, bond angles, and polarity

Practice Problem 1, for CO₃²-

- a) name the compound
- b) draw the Lewis structure
- c) draw the VSEPR (with bond angles)
- d) name the VSEPR shape

Practice Problem 2, for OF₂

- a) name the compound
- b) draw the Lewis structure
- c) draw the VSEPR (with bond angles)
- d) name the VSEPR shape

Practice Problem 3, for PCl₃

- a) name the compound
- b) draw the Lewis structure
- c) draw the VSEPR (with bond angles)
- d) name the VSEPR shape

Practice Problem 4 - Name the following:

- a) CaCl₂
- b) Ba(OH)₂
- c) Rb₃O
- d) P₂Br₄

Practice Problem 5 - Write the formula for each

- a) potassium bromide
- b) sulfur monochloride
- c) aluminum hydroxide
- d) xenon tetranitride

Practice Problem 6 - find the molar mass and percent mass of each element.

- a) CaCl₂
- b) P₂Cl₄
- c) RbF