

Test 2 Homework

Know the names and symbols for the first 36 elements

Chapter 3: 1-5, 7, 12-14, 18-27, 29, 31, 50-53, 59-70 odd, 71-85

Be able to draw the Lewis structures for the 10 polyatomic ions you were asked to memorize.

Extra Problems:

1. What is the name of the compound with the chemical formula NH_4NO_3 ?
2. What is the name of the compound with the chemical formula CrO_3 ?
3. What is the chemical formula for copper(II) cyanide?

Chapter 4: 1, 2, 4-10, 16-25, 27, 29, 31-37, 39, 41, 49-54, 55-79 odd, 80, 87-89

Be able to draw the Lewis structures for the 10 polyatomic ions you were asked to memorize.

1. What is the chemical formula for phosphorous trichloride?
2. **Lewis Structures:** Please draw the Lewis structure for the polyatomic ion NO_3^- . Please show all formal charges.

What is the electron pair geometry about the central N? _____

What are the bond angles about the central N? _____

Chapter 11: 1-5, 7-129, 23, 25, 26, , 27, 29, 35-41, 43, 47-50, 59, 65, 67, 69, 81, 86

Chapter 12: 11-14, 35, 37, 40, 45-51, 53, 57, 59