CH 221
Sample Quiz #3 Name: _____ Lab Section: _____

Be sure to show all work, use the correct number of significant figures, circle final answers and use correct units in all problems.

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1. How many moles are in 10.227 kg of Mo? (3 points)

2. How many moles of boron can be found in $3.212*10^7$ atoms of boron? (3 points)

3. List all the elements in the periodic table that exist naturally as diatomic molecules. (4 points)

4. Write the correct formula for each of the following compounds. (4 points)

potassium bromide	_____	chromium(II) oxide	_____
calcium hydroxide	_____	Dinitrogen trioxide	_____

5. Write the correct name for each of the following compounds. (6 points)

Li_2S _____

$Zr(NO_3)_2$ _____

$AsCl_5$ _____

SrO _____

K_2CO_3 _____

SeF_4 _____