Mole HW #2 **ANSWERS**

Write the formula of each of these four compounds correctly, then find the MOLR MASS.

Ammonium Phosphate

$(NH_4)_3PO_4$

N 3 x 14 = 42
H 12 x 1 = 12
P 1 x 31 = 31
O 4 x 16 = 64

149 g/mole

Lithium Dichromate

$Li_2Cr_2O_7$

Li 2 x 7 = 14
Cr 2 x 52 = 104
O 7 x 16 = 112

230 g/mole

Barium Hydrogen Sulfate

$Ba(HSO_4)_2$

Ba 1 x 137 = 137
H 2 x 1 = 2
S 2 x 32 = 64
O 8 x 16 = 128

331 g/mole

Gold I Thiosulfate

$Au_2S_2O_3$

Au 2 x 197 = 394
S 2 x 32 = 64
O 3 x 16 = 48

506 g/mole