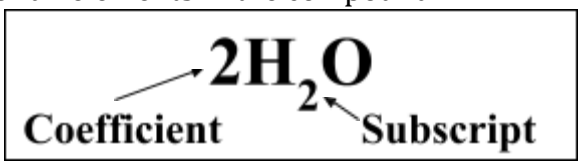
Name _____

Counting Atoms Worksheet

Directions for each problem:

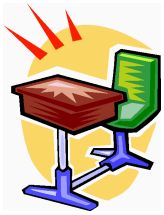
1) Recognize and record individual elements
2) Recognize the subscripts as the number of atoms for an element
3) Recognize the coefficients as the number of atoms for all elements in the compound.
4) Total **all** atoms for an element.



	Total		Total
NaOH Na – 1 O - 1 H - 1	3	5 $ZnSO_4$ Zn – 5x1=5 S – 5 x 1=5 O – 5 x 4=20	30
H_2O		4 HNO_3	
$MgCl_2$		$4Li_2O$	
Li_2SO_4		3 H_2O	
$NaC_2H_3O_2$		3 Al_2O_3	
NH_4Cl		2 CH_3OH	

HBr		2 H_3NCH_3Br	
6 Cu_2SeO_4		2 $(NH_4)_3N$	
4 $Ca(OH)_2$		5 $Mg_3(PO_4)_2$	
7 P_2O_5		3 $Al(C_2H_3O_2)_2$	

My scheme for counting atoms



Rodolfo, a fellow classmate, was absent today. He needs your help catching up. In the space provided write down and explain the steps you need to count atoms. You may use any of the counts you already did to help you with your explanation.

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