

Unit 7 Chemical Formulas and Reactions
Molar Mass & Percent Composition

Name _____
Block # _____

Counting Atoms & Percent Composition

Fill in the name or formula for each chemical, count the number of atoms involved, and then determine the % composition.

Formula	Chemical Name	# of atoms	Atomic Mass	Total Mass	Percent Composition
CH ₃ OH	methanol	C = 1 H = 4 O = 1	12 g/mol C 1 g/mol H 16 g/mol O	12 4 <u>16</u> 32 g/mol	12/32 x 100 = 37.5% C 4/32 x 100 = 12.5% H 16/32 x 100 = 50.0% O
CaF ₂					
NH ₄ NO ₃					
Al ₂ (SO ₄) ₃					
	diphosphorus tetrabromide				
	potassium phosphide				