

Unit 6C Percent Composition and Empirical Formulas Practice IV

Name:

Date:

Part 1	Percent	Comr	position
ı aıtı.	I GIOGIIL	OUILIP	Josidoli

Cal

culate	e the percen	it composition of the following compounds.
1.	$Mg(OH)_2$	
2.	Mg	
3.	0	
4.	Н	
5.	K ₂ SO ₄	
6.	K	
7.	S	
8.	0	

Part 2: Empirical Formulas

Work each of the following problems. SHOW ALL WORK.

1. What is the empirical formula for a compound if a 2.50 g sample contains 0.900 g of calcium and 1.60 g of chlorine?

2. A compound is 85.7 % carbon and 14.3 % hydrogen. Calculate the empirical formula.