

## DETERMINING EMPIRICAL FORMULAS

Name \_\_\_\_\_

What is the empirical formula (lowest whole number ratio) of the compounds below?

1. 75% carbon, 25% hydrogen

\_\_\_\_\_

2. 52.7% potassium, 47.3% chlorine

\_\_\_\_\_

3. 22.1% aluminum, 25.4% phosphorus, 52.5% oxygen

\_\_\_\_\_

4. 13% magnesium, 87% bromine

\_\_\_\_\_

5. 32.4% sodium, 22.5% sulfur, 45.1% oxygen

\_\_\_\_\_

6. 25.3% copper, 12.9% sulfur, 25.7% oxygen, 36.1% water