

Other	calcu	lations

\* Mole ratios \*

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Stoichiometry

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## Empirical formula

# take percentages as mass (g) \* convert each elements mass to moles using  $n = \frac{m}{M}$ 

\* Divide each mole answer by the smallest mole answer \* make sure you have whole numbers

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Percentage (percentage
composition by mass)
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N<sub>2</sub> +3H<sub>2</sub> → 2NH<sub>3</sub> \* Big numbers (coefficients) is a balanced chemical equation

\* Use male ratios to go from one compound / molecule to another

Rercentage yield What was actually produced % yield = Actual yield X 100 Theoretical yield X 100

be produced