

Three Step Stoichiometry Molar Conversions

1/2

given: $A + B \rightarrow AB$ (Summary)

Convert: $\text{start}_A \rightarrow \text{mol}_A \rightarrow \text{mol}_B \rightarrow \text{end}_B$

Mass_A Molar Mass Volume_A Molar Volume Particles_A Avagadro's #	molar ratio $\frac{\text{mol}_B}{\text{mol}_A}$	Mass_B Molar Mass Volume_B Molar Volume Particles_B Avagadro's #
---	--	---

Three Step Stoichiometry Molar Conversions

2/2

given: $A + B \rightarrow AB$ (Mass_A → Mass_B)

Convert: $\text{mass}_A \rightarrow \text{mol}_A \rightarrow \text{mol}_B \rightarrow \text{mass}_B$

$\frac{g_A}{MM_A g}$ $\frac{1 \text{ mol}_A}{MM_A g}$	$\frac{\text{mol}_A}{\text{ratio mol}_A}$ $\frac{\text{ratio mol}_B}{\text{ratio mol}_A}$	$\frac{\text{mol}_B}{1 \text{ mol}_B}$ $\frac{MM_B g}{1 \text{ mol}_B}$
= g_B		