

Name _____

Balancing Equations and Molar Ratios Practice

For each equation below:

1. Balance the equation. Type the coefficients into the boxes provided.
2. Fill in the molar ratios.

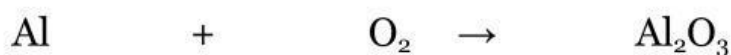


$\frac{\text{mol CH}_4}{\text{mol O}_2}$	$\frac{\text{mol CH}_4}{\text{mol CO}_2}$	$\frac{\text{mol CH}_4}{\text{mol H}_2\text{O}}$
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$\frac{\text{mol O}_2}{\text{mol CH}_4}$	$\frac{\text{mol CO}_2}{\text{mol CH}_4}$	$\frac{\text{mol H}_2\text{O}}{\text{mol CH}_4}$
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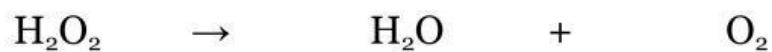
$\frac{\text{mol O}_2}{\text{mol CO}_2}$	$\frac{\text{mol O}_2}{\text{mol H}_2\text{O}}$	$\frac{\text{mol CO}_2}{\text{mol O}_2}$
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$\frac{\text{mol CO}_2}{\text{mol H}_2\text{O}}$	$\frac{\text{mol H}_2\text{O}}{\text{mol O}_2}$	$\frac{\text{mol H}_2\text{O}}{\text{mol CO}_2}$
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$\frac{\text{mol Al}}{\text{mol O}_2}$	$\frac{\text{mol Al}}{\text{mol Al}_2\text{O}_3}$	$\frac{\text{mol O}_2}{\text{mol Al}}$
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$\frac{\text{mol O}_2}{\text{mol Al}_2\text{O}_3}$	$\frac{\text{mol Al}_2\text{O}_3}{\text{mol O}_2}$	$\frac{\text{mol Al}_2\text{O}_3}{\text{mol Al}}$
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$$\frac{\text{mol H}_2\text{O}_2}{\text{mol O}_2}$$

$$\frac{\text{mol H}_2\text{O}_2}{\text{mol H}_2\text{O}}$$

$$\frac{\text{mol H}_2\text{O}}{\text{mol H}_2\text{O}_2}$$

$$\frac{\text{mol H}_2\text{O}}{\text{mol O}_2}$$

$$\frac{\text{mol O}_2}{\text{mol H}_2\text{O}_2}$$

$$\frac{\text{mol O}_2}{\text{mol H}_2\text{O}}$$



$$\frac{\text{mol Au}_2\text{O}_3}{\text{mol O}_2}$$

$$\frac{\text{mol Au}_2\text{O}_3}{\text{mol Au}}$$

$$\frac{\text{mol Au}}{\text{mol Au}_2\text{O}_3}$$

$$\frac{\text{mol Au}}{\text{mol O}_2}$$

$$\frac{\text{mol O}_2}{\text{mol Au}}$$

$$\frac{\text{mol O}_2}{\text{mol Au}_2\text{O}_3}$$