

Short Answer Questions



1. How many moles of O_2 will be formed from 10.0 moles of KClO_3 ? (5 points)

$$\frac{\text{mol KClO}_3}{\text{mol KClO}_3} \times \frac{\text{mol O}_2}{\text{mol KClO}_3} = \text{mol O}_2$$

2. Draw expanded structure and name the following hydrocarbons, and then name each one. (2 point each)

Formula	Expanded Structure	Name
CH_4		
$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_3$		
$\text{H}_2\text{C}=\text{CH}_2$		
$\text{CH}_3\text{CH}=\text{CHCH}_3$		
$\text{CH}\equiv\text{CH}$		