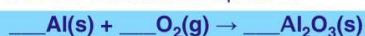




Name _____ Class _____ Date _____

1

Given the unbalanced equation:



When this equation is correctly balanced using *smallest* whole numbers, what is the coefficient of $\text{O}_2\text{(g)}$?

- A 6 C 3
B 2 D 4

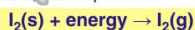
2

Which **chemical equation** is **correctly** balanced?

- A $\text{H}_2\text{(g)} + \text{O}_2\text{(g)} \rightarrow \text{H}_2\text{O(g)}$
B $\text{N}_2\text{(g)} + \text{H}_2\text{(g)} \rightarrow \text{NH}_3\text{(g)}$
C $2\text{NaCl(s)} \rightarrow \text{Na(s)} + \text{Cl}_2\text{(g)}$
D $2\text{KCl(s)} \rightarrow 2\text{K(s)} + \text{Cl}_2\text{(g)}$

3

Given the balanced equation:



As a sample of $\text{I}_2\text{(s)}$ sublimates to $\text{I}_2\text{(g)}$, the entropy of the sample

4

Given the balanced equation:



What is the **total number of moles of C**

5



PREVIEW

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7



This reaction is best **classified** as

- A addition
B esterification
C fermentation
D substitution

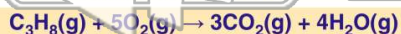


What is the **total number of moles of HCl(g) produced** when 3 moles of $\text{H}_2\text{(g)}$ is completely consumed?

- A 5 moles C 3 moles
B 2 moles D 6 moles

9

Given the balanced equation:

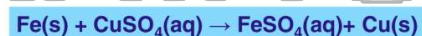


What is the total number of liters of $\text{CO}_2\text{(g)}$ **produced** when 20.0 liters of $\text{O}_2\text{(g)}$ are completely consumed?

- A 12.0 L C 3.00 L
B 22.4 L D 5.00 L

10

Given the balanced equation:



What **total mass of iron** is necessary to produce **1.00 mole of copper**?

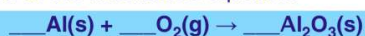
- A 26.0 g C 112 g
B 55.8 g D 192 g



Name _____ Class _____ Date _____

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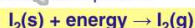
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3

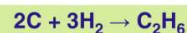
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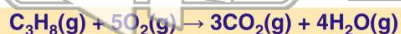


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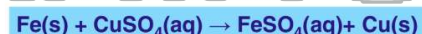


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