

Balancing Handout Answers

skeleton	balanced
$\text{H}_{2(\text{G})} + \text{O}_{2(\text{G})} \text{ ---> } \text{H}_2\text{O}_{(\text{G})}$	$2\text{H}_{2(\text{G})} + \text{O}_{2(\text{G})} \text{ ---> } 2\text{H}_2\text{O}_{(\text{L})}$
$\text{Sr}(\text{OH})_{2(\text{AQ})} + \text{Li}_2\text{CrO}_{4(\text{AQ})} \text{ --->}$	$\text{Sr}(\text{OH})_{2(\text{AQ})} + \text{Li}_2\text{CrO}_{4(\text{AQ})} \text{ ---> } \text{SrCrO}_{4(\text{S})} + 2\text{LiOH}_{(\text{AQ})}$
$\text{ZnBr}_{2(\text{AQ})} + \text{Al}_{(\text{S})} \text{ -->}$	$3\text{ZnBr}_{2(\text{AQ})} + 2\text{Al}_{(\text{S})} \text{ --> } 2\text{AlBr}_{3(\text{AQ})} + 3\text{Zn}_{(\text{S})}$
$\text{Na}_{(\text{S})} + \text{NaNO}_{3(\text{AQ})} \text{ ---> } \text{Na}_2\text{O}_{(\text{AQ})} + \text{N}_{2(\text{G})}$	$10\text{Na}_{(\text{S})} + 2\text{NaNO}_{3(\text{S})} \text{ ---> } 6\text{Na}_2\text{O}_{(\text{S})} + \text{N}_{2(\text{G})}$
$\text{C}_{(\text{S})} + \text{S}_{8(\text{S})} \text{ ---> } \text{CS}_{2(\text{S})}$	$4\text{C}_{(\text{S})} + \text{S}_{8(\text{S})} \text{ ---> } 4\text{CS}_{2(\text{S})}$
$\text{Na}_{(\text{S})} + \text{O}_{2(\text{G})} \text{ ---> } \text{Na}_2\text{O}_{2(\text{S})}$	$2\text{Na}_{(\text{S})} + \text{O}_{2(\text{G})} \text{ ---> } \text{Na}_2\text{O}_{2(\text{S})}$
$\text{N}_{2(\text{G})} + \text{O}_{2(\text{G})} \text{ ---> } \text{N}_2\text{O}_{5(\text{G})}$	$2\text{N}_{2(\text{G})} + 5\text{O}_{2(\text{G})} \text{ ---> } 2\text{N}_2\text{O}_{5(\text{G})}$
$\text{P}_{(\text{S})} + \text{Cl}_2 \text{ ---> } \text{PCl}_{5(\text{S})}$	$2\text{P}_{(\text{S})} + 5\text{Cl}_{2(\text{G})} \text{ ---> } 2\text{PCl}_{5(\text{S})}$
$\text{Na}_{(\text{S})} + \text{O}_{2(\text{G})} \text{ ---> } \text{Na}_2\text{O}_{(\text{S})}$	$4\text{Na}_{(\text{S})} + \text{O}_{2(\text{G})} \text{ ---> } 2\text{Na}_2\text{O}_{(\text{S})}$
$\text{Al}_{(\text{S})} + \text{S}_{8(\text{S})} \text{ ---> } \text{Al}_2\text{S}_{3(\text{S})}$	$16\text{Al}_{(\text{S})} + 3\text{S}_{8(\text{S})} \text{ ---> } 8\text{Al}_2\text{S}_{3(\text{S})}$
$\text{H}_2\text{O}_{(\text{L})} \text{ --> } \text{H}_{2(\text{G})} + \text{O}_{2(\text{G})}$	$2\text{H}_2\text{O}_{(\text{L})} \text{ --> } 2\text{H}_{2(\text{G})} + \text{O}_{2(\text{G})}$
$\text{Mg}_{(\text{S})} + \text{Cl}_{2(\text{G})} \text{ ---> } \text{MgCl}_{2(\text{S})}$	$\text{Mg}_{(\text{S})} + \text{Cl}_{2(\text{G})} \text{ ---> } \text{MgCl}_{2(\text{S})}$
$\text{C}_{15}\text{H}_{32(\text{S})} + \text{O}_{2(\text{G})} \text{ --->}$	$\text{C}_{15}\text{H}_{32(\text{S})} + 23\text{O}_{2(\text{G})} \text{ ---> } 15\text{CO}_{2(\text{G})} + 16\text{H}_2\text{O}_{(\text{G})}$
$\text{C}_6\text{H}_6(\text{G}) + \text{O}_{2(\text{G})} \text{ ---> } \text{CO}_{2(\text{G})} + \text{H}_2\text{O}_{(\text{G})}$	$2\text{C}_6\text{H}_6(\text{G}) + 15\text{O}_{2(\text{G})} \text{ ---> } 12\text{CO}_{2(\text{G})} + 6\text{H}_2\text{O}_{(\text{G})}$
$\text{N}_{2(\text{G})} + \text{H}_{2(\text{G})} \text{ ---> } \text{NH}_{3(\text{G})}$	$\text{N}_{2(\text{G})} + 3\text{H}_{2(\text{G})} \text{ ---> } 2\text{NH}_{3(\text{G})}$

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$\text{Li}_{(s)} + \text{AlCl}_{3(AQ)} \rightarrow$	$3\text{Li}_{(s)} + \text{AlCl}_{3(AQ)} \rightarrow 3\text{LiCl}_{(AQ)} + \text{Al}_{(s)}$
$\text{C}_2\text{H}_{6(G)} + \text{O}_{2(G)} \rightarrow$	$2\text{C}_2\text{H}_{6(G)} + 7\text{O}_{2(G)} \rightarrow 4\text{CO}_{2(G)} + 6\text{H}_2\text{O}_{(G)}$
$\text{Rb}_{(s)} + \text{P}_{(s)} \rightarrow \text{Rb}_3\text{P}_{(s)}$	$3\text{Rb}_{(s)} + \text{P}_{(s)} \rightarrow \text{Rb}_3\text{P}_{(s)}$
$\text{CH}_{4(G)} + \text{O}_{2(G)} \rightarrow$	$\text{CH}_{4(G)} + 2\text{O}_{2(G)} \rightarrow \text{CO}_{2(G)} + 2\text{H}_2\text{O}_{(G)}$
$\text{Na}_{(s)} + \text{I}_{2(s)} \rightarrow \text{NaI}_{(s)}$	$2\text{Na}_{(s)} + \text{I}_{2(s)} \rightarrow 2\text{NaI}_{(s)}$
$\text{Rb}_{(s)} + \text{S}_{8(s)} \rightarrow \text{Rb}_2\text{S}_{(s)}$	$16\text{Rb}_{(s)} + \text{S}_{8(s)} \rightarrow 8\text{Rb}_2\text{S}_{(s)}$
$\text{NH}_{3(AQ)} + \text{HCl}_{(AQ)} \rightarrow \text{NH}_4\text{Cl}_{(AQ)}$	$\text{NH}_{3(AQ)} + \text{HCl}_{(AQ)} \rightarrow \text{NH}_4\text{Cl}_{(AQ)}$
$\text{Li}_{(s)} + \text{SnCl}_{4(AQ)} \rightarrow$	$\text{Li}_{(s)} + \text{SnCl}_{4(AQ)} \rightarrow \text{LiCl}_{(AQ)} + \text{Sn}_{(s)}$
$\text{NH}_{3(G)} \rightarrow \text{N}_{2(G)} + \text{H}_{2(G)}$	$2\text{NH}_{3(G)} \rightarrow \text{N}_{2(G)} + 3\text{H}_{2(G)}$
$\text{Cs}_{(s)} + \text{N}_{2(G)} \rightarrow \text{Cs}_3\text{N}_{(s)}$	$6\text{Cs}_{(s)} + \text{N}_{2(G)} \rightarrow 2\text{Cs}_3\text{N}_{(s)}$
$\text{CaCO}_{3(s)} \rightarrow \text{CaO}_{(s)} + \text{CO}_{2(G)}$	$\text{CaCO}_{3(s)} \rightarrow \text{CaO}_{(s)} + \text{CO}_{2(G)}$
$\text{C}_{10}\text{H}_{22(s)} + \text{O}_{2(G)} \rightarrow$	$2\text{C}_{10}\text{H}_{22(s)} + 31\text{O}_{2(G)} \rightarrow 20\text{CO}_{2(G)} + 22\text{H}_2\text{O}_{(G)}$
$\text{C}_{(s)} + \text{O}_{2(G)} \rightarrow \text{CO}_{2(G)}$	$\text{C}_{(s)} + \text{O}_{2(G)} \rightarrow \text{CO}_{2(G)}$
$\text{C}_4\text{H}_8(G) + \text{O}_2(G) \rightarrow$	$\text{C}_3\text{H}_8(G) + 5\text{O}_2(G) \rightarrow 3\text{CO}_2(G) + 4\text{H}_2\text{O}_{(G)}$