

CHAPTER 7	Translating Word Equations Answer key	BLM 7.0.4A
ANSWER KEY		

1. $2\text{C}_5\text{H}_{10}(\text{g}) + 15\text{O}_2(\text{g}) \rightarrow 10\text{CO}_2(\text{g}) + 10\text{H}_2\text{O}(\text{g})$
2. $4\text{Cu}(\text{s}) + \text{O}_2(\text{g}) \rightarrow 2\text{Cu}_2\text{O}(\text{s})$
3. $1\text{H}_3\text{PO}_4(\text{aq}) + 3\text{CsOH}(\text{aq}) \rightarrow 1\text{Cs}_3\text{PO}_4(\text{aq}) + 3\text{H}_2\text{O}(\text{l})$
4. $2\text{C}_2\text{H}_5\text{OH}(\text{l}) \rightarrow 4\text{C}(\text{s}) + 6\text{H}_2(\text{g}) + 1\text{O}_2(\text{g})$
5. $\text{Pb}(\text{CH}_3\text{COO})_2(\text{aq}) + \text{Zn}(\text{s}) \rightarrow \text{Zn}(\text{CH}_3\text{COO})_2(\text{aq}) + \text{Pb}(\text{s})$
6. $2\text{Cr}_2\text{O}_3(\text{s}) \rightarrow 4\text{Cr}(\text{s}) + 3\text{O}_2(\text{g})$
7. $\text{Ca}(\text{ClO}_3)_2(\text{aq}) + \text{Li}_2\text{SO}_4(\text{aq}) \rightarrow \text{CaSO}_4(\text{s}) + 2\text{LiClO}_3(\text{aq})$
8. $\text{N}_2(\text{g}) + 2\text{O}_2(\text{g}) \rightarrow \text{N}_2\text{O}_4(\text{g})$
9. $2\text{C}_8\text{H}_{18}(\text{l}) + 25\text{O}_2(\text{g}) \rightarrow 16\text{CO}_2(\text{g}) + 18\text{H}_2\text{O}(\text{l})$
10. $2\text{Al}(\text{NO}_3)_3(\text{aq}) + 3\text{Mg}(\text{s}) \rightarrow 3\text{Mg}(\text{NO}_3)_2(\text{aq}) + 2\text{Al}(\text{s})$