

CHAPTER 7	Translating Word Equations	BLM 7.0.4
ASSESSMENT		

Write the balanced equations for the following chemical reactions:

1. Cyclopentane,  $C_5H_{10}(l)$ , reacts with oxygen to produce carbon dioxide and water vapour.
2. Copper(I) oxide forms from its elements.
3. Phosphoric acid is neutralized by cesium hydroxide solution to produce cesium phosphate solution and liquid water.
4. Ethanol breaks up into its elements.
5. Lead(II) acetate reacts with zinc metal to form zinc acetate solution and solid lead.
6. Chromium(III) oxide decomposes into its elements.
7. Calcium chlorate solution reacts with lithium sulfate and calcium sulfate solid forms in a lithium chlorate solution.
8. Dinitrogen tetroxide gas forms from its elements.
9. Octane ( $C_8H_{18}(l)$ ) reacts with oxygen gas to produce carbon dioxide and liquid water in a bomb calorimeter.
10. Aluminium nitrate solution reacts with magnesium metal to produce magnesium nitrate solution and aluminium metal.