

Key

REACTION CATEGORY	COMPLETE COMBUSTION
REACTION DESCRIPTION	For our purposes combustion will mean the reaction of oxygen with a compound containing carbon and hydrogen. A common synonym for combustion is burn.
REACTION FORMAT	$C_xH_y + O_2 \rightarrow CO_2 + H_2O$
REACTION GUIDELINES	<ol style="list-style-type: none"> <li>1. Identify the reaction as being a combustion reaction. (A hydrocarbon reacting with oxygen)</li> <li>2. Remember the products are always <math>CO_2</math> and <math>H_2O</math>.</li> <li>3. Compounds that contain carbon and hydrogen sometimes contain oxygen; the products are still the same--<math>CO_2</math> and <math>H_2O</math></li> <li>4. Compounds that contain carbon and hydrogen sometimes contain nitrogen; in this case another product, <math>NO_2</math> is formed along with <math>CO_2</math> and <math>H_2O</math>.</li> <li>5. Compounds that contain carbon and hydrogen sometimes contain sulfur; in this case another product, <math>SO_2</math> is formed along with <math>CO_2</math> and <math>H_2O</math>.</li> </ol>

