

REACTION CATEGORY	SYNTHESIS REACTION
REACTION DESCRIPTION	In these reactions, two different molecules or atoms unite to usually form a single substance.
REACTION FORMAT	$A + B \rightarrow AB$
REACTION GUIDELINES	<ol style="list-style-type: none"><li>1. Direct union of two elements will produce a binary compound.</li><li>2. Metallic oxides and carbon dioxide react to produce carbonates.</li><li>3. Binary salts and oxygen react to produce a chlorate.</li><li>4. Metallic oxides and water react to produce a base.</li><li>5. Nonmetallic oxides and water react to produce an acid.</li></ol>

