

# Identifying Chemical Bonds

Identify each of the following as compounds with ionic bonds or covalent bonds. Write the elements found in each compound. Use the information in the word box to write the type of bond.

**ionic:** metal bonded with a nonmetal      **covalent:** nonmetal bonded with a nonmetal

<p><b>1</b> NaCl</p> <p>Elements:</p> <p>_____</p> <p>_____</p> <p>Bond: _____</p>	<p><b>2</b> CO<sub>2</sub></p> <p>Elements:</p> <p>_____</p> <p>_____</p> <p>Bond: _____</p>	<p><b>3</b> H<sub>2</sub>O</p> <p>Elements:</p> <p>_____</p> <p>_____</p> <p>Bond: _____</p>
<p><b>4</b> K<sub>2</sub>O</p> <p>Elements:</p> <p>_____</p> <p>_____</p> <p>Bond: _____</p>	<p><b>5</b> NaF</p> <p>Elements:</p> <p>_____</p> <p>_____</p> <p>Bond: _____</p>	<p><b>6</b> CH<sub>4</sub></p> <p>Elements:</p> <p>_____</p> <p>_____</p> <p>Bond: _____</p>
<p><b>7</b> SO<sub>3</sub></p> <p>Elements:</p> <p>_____</p> <p>_____</p> <p>Bond: _____</p>	<p><b>8</b> MgO</p> <p>Elements:</p> <p>_____</p> <p>_____</p> <p>Bond: _____</p>	<p><b>9</b> HCl</p> <p>Elements:</p> <p>_____</p> <p>_____</p> <p>Bond: _____</p>
<p><b>10</b> NO<sub>2</sub></p> <p>Elements:</p> <p>_____</p> <p>_____</p> <p>Bond: _____</p>	<p><b>11</b> FeCl<sub>3</sub></p> <p>Elements:</p> <p>_____</p> <p>_____</p> <p>Bond: _____</p>	<p><b>12</b> P<sub>2</sub>O<sub>5</sub></p> <p>Elements:</p> <p>_____</p> <p>_____</p> <p>Bond: _____</p>