

IONIC AND COVALENT BONDING

Covalent bonding occurs between two non-metals. Ionic bonding is between a metal and a non-metal. Identify the following as ionic or covalent and show the bonding.

IONIC



COVALENT



<p>1. $\text{Cl} + \text{Cl} (\text{Cl}_2)$ Covalent $\cdot\ddot{\text{Cl}}\cdot + \cdot\ddot{\text{Cl}}\cdot \rightarrow \text{Cl}-\text{Cl}$</p>	<p>7. $\text{C} + \text{H} (\text{CH}_4)$ Covalent $\cdot\ddot{\text{C}}\cdot + 4\text{H} \rightarrow \text{CH}_4$</p>
<p>2. $\text{Br} + \text{Br} (\text{Br}_2)$ Covalent $\cdot\ddot{\text{Br}}\cdot + \cdot\ddot{\text{Br}}\cdot \rightarrow \text{Br}-\text{Br}$</p>	<p>8. $\text{Al} + \text{Cl} (\text{AlCl}_3)$ Ionic $\text{Al} + 3\text{Cl} \rightarrow \text{AlCl}_3$</p>
<p>3. $\text{F} + \text{F} (\text{F}_2)$ Covalent $\cdot\ddot{\text{F}}\cdot + \cdot\ddot{\text{F}}\cdot \rightarrow \text{F}-\text{F}$</p>	<p>9. $\text{O} + \text{O} (\text{O}_2)$ Covalent $\cdot\ddot{\text{O}}\cdot + \cdot\ddot{\text{O}}\cdot \rightarrow \text{O}=\text{O}$</p>
<p>4. $\text{I} + \text{I} (\text{I}_2)$ Covalent $\cdot\ddot{\text{I}}\cdot + \cdot\ddot{\text{I}}\cdot \rightarrow \text{I}-\text{I}$</p>	<p>10. $\text{N} + \text{N} (\text{N}_2)$ Covalent $\cdot\ddot{\text{N}}\cdot + \cdot\ddot{\text{N}}\cdot \rightarrow \text{N} \equiv \text{N}$</p>
<p>5. $\text{H} + \text{Cl} (\text{HCl})$ Covalent $\text{H} + \cdot\ddot{\text{Cl}}\cdot \rightarrow \text{H}-\text{Cl}$</p>	<p>11. $\text{Ca} + \text{O} (\text{CaO})$ Ionic $\text{Ca} + \text{O} \rightarrow \text{CaO}$</p>
<p>6. $\text{H} + \text{H} (\text{H}_2)$ Covalent $\text{H} + \text{H} \rightarrow \text{H}-\text{H}$</p>	<p>12. $\text{Al} + \text{O} (\text{Al}_2\text{O}_3)$ Ionic $2\text{Al} + 3\text{O} \rightarrow \text{Al}_2\text{O}_3$</p>

Ionic And Covalent Bonds Practice Chemfiesta

Roman Wölfel



Ionic And Covalent Bonds Practice Chemfiesta:

Enjoying the Tune of Appearance: An Emotional Symphony within **Ionic And Covalent Bonds Practice Chemfiesta**

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