

Name - \_\_\_\_\_

Start time - \_\_ : \_\_

End time - \_\_ : \_\_

Describe the factors that determine whether a compound will form an ionic or covalent bond.

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Describe the formation of covalent compounds, including the sharing of electrons between atoms.

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For each compound given, write its name:

1. NaCl \_\_\_\_\_

2. H<sub>2</sub>O \_\_\_\_\_3. CO<sub>2</sub> \_\_\_\_\_

4. MgO \_\_\_\_\_

5. N<sub>2</sub>O<sub>4</sub> \_\_\_\_\_

Describe the formation of ionic compounds, including the transfer of electrons between atoms.

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Explain why certain compounds, such as water (H<sub>2</sub>O), can exhibit properties of both ionic and covalent compounds.

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