

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

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

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

Circle whether the following statements are true or false:

1. Covalent compounds are formed between two nonmetals.  
(True/False)
2. Ionic compounds typically have low melting and boiling points.  
(True/False)
3. In a covalent bond, electrons are shared between atoms.  
(True/False)
4. Both ionic and covalent compounds can conduct electricity when dissolved in water. (True/False)

Provide the chemical formula for the following compounds.

1. Sodium chloride - \_\_\_\_\_
2. Potassium iodide - \_\_\_\_\_
3. Hydrogen fluoride - \_\_\_\_\_
4. Carbon dioxide - \_\_\_\_\_

Write the chemical formula for magnesium oxide (ionic compound) and carbon dioxide (covalent compound).

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Provide an example of an ionic compound and state its chemical formula.

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