

Name: \_\_\_\_\_

Period: \_\_\_\_

### Covalent Compounds

Determine the number of atoms of each element needed to form a covalent bond. Draw the Lewis diagrams for each atom before the bond forms and after the bond forms. Write the formula for the compound that forms and name the compound.

(1) sulphur and chlorine                      formula: \_\_\_\_\_ name: \_\_\_\_\_

Before:	After:
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(2) phosphorus and fluorine                      formula: \_\_\_\_\_ name: \_\_\_\_\_

Before:	After:
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(3) silicon and iodine                      formula: \_\_\_\_\_ name: \_\_\_\_\_

Before:	After:
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(4) oxygen                      formula: \_\_\_\_\_ name: \_\_\_\_\_

Before:	After:
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(5) carbon and oxygen                      formula: \_\_\_\_\_ name: \_\_\_\_\_

Before:	After:
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(6) nitrogen                      formula: \_\_\_\_\_ name: \_\_\_\_\_

Before:	After:
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