

Naming Molecular Compounds with Nonmetals Worksheet - Set 1

For each of the molecular formulas listed below, write the correct name of the compound using the mono-, di-, tri-, tetra-, penta-, hexa-, hepta-, octa-, nona-, and deca- naming system.

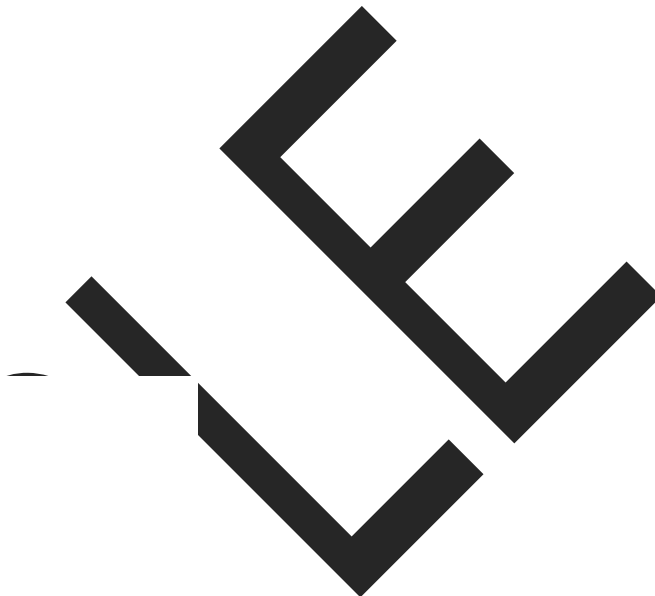
1. N_2O_4 _____

2. SO_3 _____

3. ClO_2 _____

4. P_3N_5 _____

5. ClO _____



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25. SF_2 _____

Answers - Set 1

Here are the correct names for each of the nonmetallic simple molecular compounds:

1. Dinitrogen tetroxide
2. Sulfur trioxide
3. Chlorine dioxide
4. Triphosphorus pentanitride



Naming Molecular Compounds with Nonmetals Worksheet - Set 2

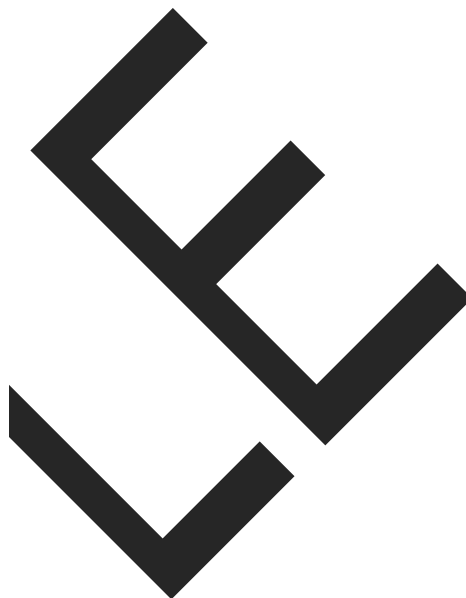
For each of the molecular formulas listed below, write the correct name of the compound using the mono-, di-, tri-, tetra-, penta-, hexa-, hepta-, octa-, nona-, and deca- naming system.

1. BrO_4 _____

2. I_2O_4 _____

3. SeO_2 _____

4. AsF_3 _____



25. IF_3 _____

Answers - Set 2

1. Perbromate (anion, but can also be named hypothetically as bromine tetroxide)
2. Diiodine tetroxide
3. Selenium dioxide
4. Arsenic trifluoride
5. Chlorine trioxide

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Writing Formulas for Molecular Compounds Worksheet - Set 1

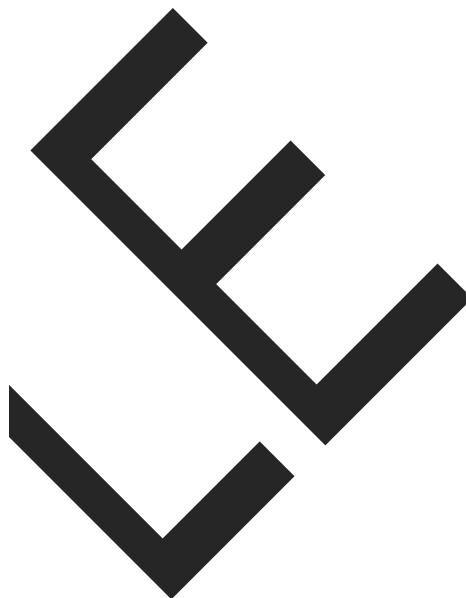
For each of the molecular formulas listed below, write the correct name of the compound using the mono-, di-, tri-, tetra-, penta-, hexa-, hepta-, octa-, nona-, and deca- naming system.

1. Dinitrogen pentoxide

2. Dichlorine heptoxide

3. Tetraphosphorus decoxide

4. Sulfur hexafluoride



25. Chlorine dioxide

Answers - Set 1

1. N_2O_5
2. Cl_2O_7
3. P_4O_{10}
4. SF_6
5. OF_2



Writing Formulas for Molecular Compounds Worksheet - Set 2

1. Dinitrogen trioxide _____
2. Carbon tetrachloride _____
3. Phosphorus trichloride _____
4. Sulfur dioxide _____

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25. Pentacarbon decahydride _____

Answers - Set 2

1. N_2O_3
2. CCl_4
3. PCl_3
4. SO_2
5. ClF_3

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