



High School Science Virtual Learning

Chemistry

Molecular Nomenclature

May 22, 2020



High School Chemistry
Lesson: May 22, 2020

Objective/Learning Target:

Students will be able to write names and formulas for molecular compounds.



Let's Get Started:

1. What type of elements form covalent bonds?
2. What happens to electrons in a covalent bond?



Let's Get Started: **Answer Key**

1. What type of elements form covalent bonds?
Nonmetals only
2. What happens to electrons in a covalent bond?
Valence electrons are SHARED in a covalent bond.

Lesson Activity:

Directions:

1. Watch this [video](#) from Brightstorm.
2. To get the formula, simply reverse what is shown in the video.
3. Example: Trisulfur pentafluoride = S_3P_5

Prefixes:

1 = mono-

2 = di-

3 = tri-

4 = tetra-

5 = penta-

6 = hexa-

7 = hepta-

8 = octa-

9 = nona-

10 = deca-



Practice

Complete the following questions using the information you learned during the lesson activity.

Questions:

Write names or formulas for the following:

1. Pentaselenium decafluoride
2. SO_4
3. Br_2F_3
4. Dicarbon hexafluoride
5. N_3I_6

Once you have completed the practice questions check with the **answer** key.

1. Se_5F_{10}
2. Sulfur Tetroxide
3. Dibromine Trifluoride
4. C_2F_6
5. Trinitrogen Hexaiodide

More Practice:

Follow the links below to do more practice.

1. Only do the [molecular compounds](#) on this worksheet. Ignore the acids.
2. This [worksheet](#) contains ionic and molecular. The bottom section is mixed, so remember that ionic start with a metal.



Additional Practice:
Click on this [link](#) for additional practice.