

Lewis Diagrams

Use the Lewis diagram below to answer the questions.

6.5
7

1. What do the dots in the Lewis diagram of fluorine represent?

- The number of electrons .5

2. How many electrons does the fluorine atom have that could participate in a covalent bond?

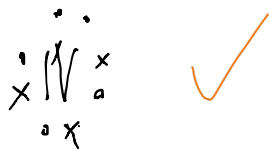
- One ✓

3. According to the octet rule, how many more electrons does the fluorine atom need to complete its valence shell?

- One to have 8 ✓

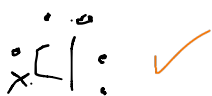
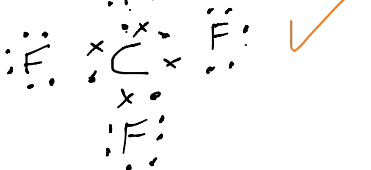
Draw the Lewis diagram for each atom, ion, or molecule. Use “x” to represent electrons for the second element where necessary.

4. N



extra

5. Cl

6. CF₄7. H₂S