

The three column note is useful for breaking down the steps to solving a problem and for explaining how and why those steps are used. Use the three column note template to help you improve your math, chemistry, or physics problem-solving skills.

Topic: Drawing Lewis Dot diagrams

Problem	Steps	Explanation
<p>Draw the Lewis Dot diagram for oxygen.</p>	<p>Step 1:</p> <p style="text-align: center;">O</p> <p>oxygen has 6 ve-</p> <p>Step 2:</p> <p style="text-align: center;">• O •</p> <p>Step 3:</p> <p style="text-align: center;">•• • O • ••</p>	<p>Step 1: Write the symbol for the element. Determine how many valence electrons (ve-) from group number.</p> <p>Step 2: Draw one dot on each side of the symbol to represent each ve-.</p> <p>Step 3: Since O has 6 ve-, two sides will have paired dots.</p>

Problem
What is the question you are going to solve?

Explanation
Why did you use that step? How does it connect to the previous or next step?

Steps
What are the individual steps to solving this problem? Do not skip any steps.

If you have any questions, please email sals@durhamcollege.ca.