

## Mole Illustration Rubric

### Chemistry Mole Illustration


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

Date: \_\_\_\_\_ Period: \_\_\_\_\_

#### Create an illustration about the mole.

1. Choose an element.
2. Show how to determine the **molar mass** of your element.
  - a. Define **molar mass**.
3. Create an example converting between **moles to mass** and **moles to atoms** with your compound. Use illustrations to help show your example.
  - a. Define **moles**
4. Find an appropriate **Mole Joke** to add to your illustration.

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Criteria	Distinguished (100 points)	Proficient (90 points)
Compound (25 points)	<ul style="list-style-type: none"> <li>❑ Does everything to be proficient AND:</li> <li>❑ Creates a model of your atom including it's correct Lewis Dot Structure.</li> </ul>	<ul style="list-style-type: none"> <li>❑ Lists the element and correct name.</li> </ul>
Calculations (50 points)  	<ul style="list-style-type: none"> <li>❑ Shows how to find the volume of a gas of the compound (You will need to look this up and maybe watch a youtube video on what to do or look it up in your book).</li> </ul>	<ul style="list-style-type: none"> <li>❑ Shows how to find the molar mass.</li> <li>❑ Shows calculations for how to convert between moles to mass with the correct units.</li> <li>❑ Shows calculations for how to convert between moles to representative particles using Avagadro's Number with the correct units.</li> </ul>
Communication (25 points)	<ul style="list-style-type: none"> <li>❑ Student has no noticeable mechanical erros.</li> <li>❑ Student includes an appropriate mole joke (chemistry related).</li> </ul>	<ul style="list-style-type: none"> <li>❑ Student defines mole, molar mass in a way that explains what these terms mean.</li> <li>❑ Includes illustrations to help create a clear picture of your definitions.</li> <li>❑ Student uses terminology correctly in the project.</li> </ul>