Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_ **Score**: \_\_\_\_**/12**

**PRACTICE QUIZ: Mole Conversion (CB)**

**Use the T-Chart method to solve the problems below. Include UNITS in your set-up AND answers. Round your answer to the correct number of significant figures. CIRCLE YOUR FINAL ANSWER!!**

1. How many grams are in 2.5 moles of Neon?

|  |  |
| --- | --- |
| Correctly places the given value in the T-Chart. | \_\_\_\_/1 |
| T-Chart included correct conversion factor | \_\_\_\_/1 |
| Conversion factor is in the correct order | \_\_\_\_/1 |
| Correct value for answer | \_\_\_\_/1 |
| Correct sig figs  | \_\_\_\_/0.5 |
| Correct unit | \_\_\_\_/0.5 |
| **TOTAL** | **\_\_\_/5** |

1. How many moles are in 4.56 x 1021 atoms of Sodium?

|  |  |
| --- | --- |
| Correctly places the given value in the T-Chart. | \_\_\_\_/1 |
| T-Chart included correct conversion factor | \_\_\_\_/1 |
| Conversion factor is in the correct order | \_\_\_\_/1 |
| Correct value for answer | \_\_\_\_/1 |
| Correct sig figs  | \_\_\_\_/0.5 |
| Correct unit | \_\_\_\_/0.5 |
| **TOTAL** | **\_\_\_/5** |

1. How many grams are in 2.75 x 1025 atoms of silicon?

|  |  |
| --- | --- |
| Correctly places the given value in the T-Chart. | \_\_\_\_/1 |
| T-Chart included correct conversion factor | \_\_\_\_/2 |
| Conversion factor is in the correct order | \_\_\_\_/2 |
| Correct value for answer | \_\_\_\_/1 |
| Correct sig figs  | \_\_\_\_/0.5 |
| Correct unit | \_\_\_\_/0.5 |
| **TOTAL** | **\_\_\_/7** |