Classroom Diagnostic Tools Student Data Analysis

Chemistry

Name: ___________________________________________________ Class Period/Grade: ______________________

Date of Administration: __________________ Date of Next Administration: __________________

Before reviewing results: (Complete this section as soon as possible after completing the CDT.)

1. The Chemistry CDT you just took included four diagnostic categories. For each of the diagnostic
categories, think about how you did. Which types of questions did you feel most prepared to answer
in each diagnostic category? Were there topics that you did not know well or were not familiar with?

In the spaces below, describe both your strengths and your areas that may need improvement for each
diagnostic category based on your thoughts about the effort and time you spent to answer questions
and how confident you were that your answers were correct. You may want to use your Skills
Pamphlet for Chemistry to help you pinpoint your strengths and/or areas of need.

<table>
<thead>
<tr>
<th>Diagnostic Category</th>
<th>My Strengths and Areas that Need Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Properties &amp; Classification of Matter</td>
<td></td>
</tr>
<tr>
<td>Atomic Structure &amp; The Periodic Table</td>
<td></td>
</tr>
<tr>
<td>The Mole &amp; Chemical Bonding</td>
<td></td>
</tr>
<tr>
<td>Chemical Relationships &amp; Reactions</td>
<td></td>
</tr>
</tbody>
</table>
Look at the results in your Individual Map to complete the section below.

2. **Reviewing Results:** (Place an X in each row to show the location of each of your scores (overall and each diagnostic category). Then answer the questions below.)

<table>
<thead>
<tr>
<th>Score</th>
<th>Red</th>
<th>Green</th>
<th>Blue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Score</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Properties &amp; Classification of Matter</td>
<td></td>
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</tbody>
</table>

Did you expect your overall score to be higher/lower or are your results consistent with your learning so far in this subject/course? Remember, if this is the beginning of the school year, it may be acceptable for you to be in the Red range right now.

____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________

Which diagnostic category has the highest score? ________________________________

Which diagnostic category has the lowest score? ________________________________

Do you have any diagnostic categories of concern? Why are you concerned about these categories?
What evidence other than your CDT score do you have that this is an area of concern for you?

____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________

Do you have any diagnostic categories of strength? Why do you feel these are areas of strength? What evidence other than your CDT score do you have that this is an area of strength for you?

____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________
3. **Setting Goals:** (Use the space below to set one or more goals for your learning prior to the next administration of the CDT. For each goal, consider a specific diagnostic category, and think about what you and your teacher can do to help you reach your goal. You may want to use your Skills Pamphlet for Chemistry to help you set your goals.)

**Goal 1:**
Which diagnostic category would you like to work on improving prior to the next administration of the CDT? ____________________________________________________________

What will you do to improve in that category? ____________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

What support do you need from your teacher to help you improve? ________________________________
________________________________________________________________________
________________________________________________________________________

**Goal 2:**
Which diagnostic category would you like to work on improving prior to the next administration of the CDT? ____________________________________________________________

What will you do to improve in that category? ____________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

What support do you need from your teacher to help you improve? ________________________________
________________________________________________________________________
________________________________________________________________________

**Goal 3:**
Which diagnostic category would you like to work on improving prior to the next administration of the CDT? ____________________________________________________________

What will you do to improve in that category? ____________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

What support do you need from your teacher to help you improve? ________________________________
________________________________________________________________________