**Criterion A: Knowing & Understanding (“My Complicated Compound”)**

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| **Level** | **Level Descriptor** | **Task-Specific Clarification** |
| 0 | The student does not reach a standard described by any of the descriptors below. | Did not complete/did not hit any criteria |
| 1-2 | The student is able to:1. state scientific knowledge,
2. apply scientific knowledge and understanding to suggest solutions to problems set in familiar situations,
3. interpret information to make judgments.
 | 1. **Lists** the required facts about the compound.
2. Uses the facts to provide **minimal** safety precautions.
3. Makes some **minimal** judgments about uses and elements of the compound **without sound scientific interpretation.**
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| 3-4 | The student is able to:1. outline scientific knowledge,
2. apply scientific knowledge and understanding to solve problems set in familiar situations,
3. interpret information to make scientifically supported judgments.
 | i.- States the required facts about the compound.ii.- Uses the facts to provide minimal safety precautions in the lab.iii.- Makes some minimal judgments about uses and elements of the compound with some sound scientific interpretation. |
| 5-6 | The student is able to:1. describe scientific knowledge,
2. apply scientific knowledge and understanding to solve problems set in familiar situations and suggest solutions to problems set in unfamiliar situations,
3. analyse information to make scientifically supported judgments.
 | i.- **Describes** the required facts about the compound.ii.- **Applies** the facts to provide safety precautions **in the lab** and in **hypothetical** scenarios.iii.- **Analyzes** **sound** scientific information to makes judgments about uses and elements of the compound. |
| 7-8 | The student is able to:1. explain scientific knowledge,
2. apply scientific knowledge and understanding to solve problems set in familiar and unfamiliar situations,
3. analyse and evaluate information to make scientifically supported judgments.
 | i.- **Explains** the required facts about the compound.ii.- **Applies** the facts to provide safety precautions and solutions **in the lab** and in **hypothetical** scenarios.iii.- **Analyzes and evaluates** **sound** scientific information in detail and with background information to make judgments about uses and elements of the compound. |