**DETAILED STANDARD BASED GRADING RUBRIC**

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| --- | --- | --- | --- | --- |
| **10** | **9** | **8** | **7** | **6** |
| I get this topic very well and can apply it to new situations | I’m almost there | I have some questions | I need some help | I need LOTS of help! |
| Student accurately and completely explains and applies relevant scientific concepts. Also, provides relevant information that enhances the response and relates the response to other concepts when possible.  Answers include clear, accurate and complete:  1. Identification of the problem  2. Definition of \_\_\_\_\_\_\_ (using own voice) and explanation of how this problem relates to \_\_\_\_\_\_\_.  3. Description of two realistic and practical solutions and/or predictions concerning this topic. | Student accurately and completely explains and applies relevant scientific concepts.    Missing minor relevant information in response.  Accurate answers but lacking detail or explanation that should be present. OR one or the two possible solutions is not practical / realistic. | Student accurately and completely explains or applies relevant scientific concepts.  Student explains or applies concepts but omits some information or includes minor errors.  Mostly correct definition of \_\_\_\_\_\_\_ or definition is incomplete.  OR one or the two possible solutions is not practical / realistic.  All other answers show at least basic understanding. | Student answers the questions with limited explanation. Includes some relevant information about \_\_\_\_\_\_\_ but not accurately but omits some information.  Incorrect definition of \_\_\_\_\_\_ (with major errors). Most other answers show some understanding.  Offers only one of the two required solutions or predictions. Answer is not complete or practical but shows some partial understanding. | Student incorrectly explains and/or applies scientific concepts or shows a lack of understanding of the concepts.  Student offers answers to the questions with no further explanation why they think that or doesn’t include the concept in their response.  Incorrect definition of \_\_\_\_\_\_ and unable to identify two solutions or the problem |