

	<p><b>COMPREHENSION/INTRODUCTION</b> (Novice) <i>Need for improvement outweighs apparent strengths. Evidence of the outcome present.</i></p>	<p><b>PRACTICE</b> (Beginner) <i>Strengths and need for improvement are about equal. Exhibits some accomplishment in the outcome.</i></p>	<p><b>APPLICATION/COMPETENCE</b> (Competent Practitioner) <i>Shows strength in this outcome. Applies outcome in multiple contexts.</i></p>
<p><b>Integrate experience, reason, and information to make meaningful conclusions, judgments, and/or products.</b></p>	<p>Begins to demonstrate the ability to construct a problem statement with evidence of most relevant contextual factors, but problem statement is superficial.</p> <p>Conclusion is inconsistently tied to some of the information discussed; related outcomes (consequences and implications) are oversimplified.</p> <p>Attempts to describe assumptions.</p>	<p>Demonstrates the ability to construct a problem statement with evidence of most relevant contextual factors, and problem statement is adequately detailed.</p> <p>Conclusion is logically tied to a range of information, including opposing viewpoints; related outcomes (consequences and implications) are identified clearly.</p> <p>Explicitly describes most assumptions and provides compelling rationale for why assumptions are appropriate.</p>	<p>Demonstrates the ability to construct a clear and insightful problem statement with evidence of all relevant contextual factors.</p> <p>Conclusions and related outcomes (consequences and implications) are logical and reflect student’s informed evaluation and ability to place evidence and perspectives discussed in priority order.</p> <p>Explicitly describes assumptions and provides compelling rationale for why each assumption is appropriate. Shows awareness that confidence in final conclusions is limited by the accuracy of the assumptions.</p>
<p><b>Integrate mathematic and scientific based knowledge and understanding into problem-solving activities.</b></p>	<p>Reviews results superficially in terms of the problem defined with little, if any, consideration of need for further work.</p> <p>Completes conversion of information but resulting mathematical or scientific portrayal is only partially appropriate or accurate.</p>	<p>Reviews results relative to the problem defined with some consideration of need for further work.</p> <p>Competently converts relevant information into an appropriate and desired mathematical or scientific portrayal.</p>	<p>Reviews results relative to the problem defined with thorough, specific considerations of need for further work.</p> <p>Skillfully converts relevant information into an insightful mathematical or scientific portrayal in a way that contributes to a further or deeper understanding.</p>