

EKU Critical Reading Rubric  
 Linked to General Education Element 4  
 Natural Science

COMPETENCIES	<b>Accomplished</b> (Exceeds Course Expectations)	<b>Competent</b> (Meets Course Expectations)	<b>Developing</b> (Incomplete in Meeting Course Expectations)	<b>Beginning</b> (Does Not Meet Course Expectations)
<b>Comprehension</b>  Linked to Methods (GE Goal 7) and Major Concepts (GE Goal 5)	Demonstrates <i>accurate, clear, and precise</i> comprehension of <i>significant</i> <u>methods and</u> concepts in <u>scientific</u> text(s), <u>figures, diagrams, schematics, maps, equations, and other visual and symbolic forms of scientific information.</u>  Objective assessment criterion: Not applicable.	Demonstrates <i>accurate</i> comprehension of <i>significant</i> <u>methods and</u> concepts in <u>scientific</u> text(s), <u>figures, diagrams, schematics, maps, equations, and other visual and symbolic forms of scientific information.</u>  Objective assessment criterion: Correctly answers 75% or more of the factual question about the text or materials	Demonstrates limited or inexact comprehension of <i>significant</i> <u>methods and</u> concepts in <u>scientific</u> text(s), <u>figures, diagrams, schematics, maps, equations, and other visual and symbolic forms of scientific information.</u> (Not always <i>accurate</i> )  Objective assessment criterion: Correctly answers 50-74% or more of the factual question about the text or materials.	Fails to demonstrate comprehension of <i>significant</i> <u>methods and</u> concepts in <u>scientific</u> text(s), <u>figures, diagrams, schematics, maps, equations, and other visual and symbolic forms of scientific information.</u> (Not <i>accurate</i> )  Objective assessment criterion: Correctly answers 49% or less of the factual question about the text or materials.
<b>Analysis</b>  Linked to Application (GE Goal 2, 5, 8)	Provides <i>accurate, relevant, and precise</i> analysis by recognizing the parts or aspects of the <u>scientific</u> text(s), <u>figures, diagrams, schematics, maps, equations, and other visual and symbolic forms of scientific information</u> that contribute to understanding the <u>application</u> of the <u>scientific knowledge.</u>	Provides <i>accurate and relevant</i> analysis by recognizing the parts or aspects of the <u>scientific</u> text(s), <u>figures, diagrams, schematics, maps, equations, and other visual and symbolic forms of scientific information</u> that contribute to understanding the <u>application</u> of the <u>scientific knowledge.</u>	Provides limited <i>relevant</i> analysis by recognizing the parts or aspects of the <u>scientific</u> text(s), <u>figures, diagrams, schematics, maps, equations, and other visual and symbolic forms of scientific information</u> that contribute to understanding the <u>application</u> of the <u>scientific knowledge.</u> (Not always <i>accurate</i> )	Fails to provide relevant analysis by recognizing the parts or aspects of the <u>scientific</u> text(s), <u>figures, diagrams, schematics, maps, equations, and other visual and symbolic forms of scientific information</u> that contribute to understanding the <u>application</u> of the <u>scientific knowledge.</u> (Not <i>accurate</i> )

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<b>Synthesis</b>  Linked to Integration (GE Goal 2, 5, 8)	<i>Accurately, deeply, and broadly</i> connects and integrates relevant and <i>significant</i> concepts from <u>scientific text(s), figures, diagrams, schematics, maps, equations, and other visual and symbolic forms of scientific information</u> to construct and support explanations, conclusions, or arguments.	<i>Accurately</i> connects and integrates relevant and <i>significant</i> concepts from <u>scientific text(s), figures, diagrams, schematics, maps, equations, and other visual and symbolic forms of scientific information</u> to construct and support explanations, conclusions, or arguments.	<i>Accurately</i> connects and integrates some relevant and <i>significant</i> concepts from <u>scientific text(s), figures, diagrams, schematics, maps, equations, and other visual and symbolic forms of scientific information</u> to construct and support explanations, conclusions, or arguments.	Fails to or inaccurately connects and integrates relevant and <i>significant</i> concepts from <u>scientific text(s), figures, diagrams, schematics, maps, equations, and other visual and symbolic forms of scientific information</u> to construct and support explanations, conclusions, or arguments.
<b>Evaluation</b>  Linked to Methods (GE Goal 7)	Demonstrates the use of <u>scientific methods, models, or perspectives to evaluate the accuracy or quality of a scientific claim in</u> the text(s).	Demonstrates the use of <u>scientific methods, models, or perspectives to evaluate the accuracy or quality of a scientific claim in</u> the text(s).	Demonstrates limited success in the use of <u>scientific methods, models, or perspectives to evaluate the accuracy or quality of a scientific claim in</u> the text(s). (Not always <i>accurate</i> )	Fails to demonstrate the use of <u>scientific methods, models, or perspectives to evaluate the accuracy or quality of a scientific claim in</u> the text(s). (Not <i>accurate</i> )

Note. Italicized words are Intellectual Standards (Paul & Elder)