

**YTC CRITICAL THINKING RUBRIC**  
**MLT 105 Gram Stain**

**Given: Student has completed lecture on Gram Staining**

	<b>Advanced - 4</b>	<b>Competent - 3</b>	<b>Developing - 2</b>	<b>Elementary- 1</b>	<b>Score ____</b>
<b>Identify</b>	Student recognizes all components necessary for gram stain performance and relates to the theory and order of the process without instructor assistance.	Student recognizes 8-9 of the components necessary for gram stain performance and relates to the theory and order of the process with minimal assistance.	Student recognizes 5-7 of the components necessary for gram stain performance. Student recognizes that a sequence is involved but is unsure about the order and confused about the theory. Requires moderate instructor assistance.	Student recognizes less than 5 of the components necessary for the gram stain and displays confusion concerning the theory as well as the order of procedural steps. Requires constant assistance.	
<b>Gather</b>	Student gathers all materials necessary and correctly prepares specimens for staining without instructor assistance	Student gathers materials necessary for staining and needs minimal assistance with specimen preparation	Student gathers 5-7 of the required materials necessary for staining and needs prompting for specimen preparation	Student seems unsure of materials and specimen preparation. Needs constant prompting from instructor.	
<b>Examine</b>	Student includes appropriate control material without prompting	Student includes control material after minimal prompting	Student questions what controls are necessary and the reason for controls. Requires moderate instructor prompting.	Student does not include controls nor questions the concept of quality control	
<b>Formulate</b>	Student devises a plan for correct timing of each specimen according to instructions. Requires no instructor assistance.	Student questions correct timing of each specimen and follows instructor's directions.	Student requires moderate prompting with synchronizing timing of specimen staining.	Student displays no concept of timing or order of specimen staining	
<b>Apply</b>	Performs complete Gram Staining procedure according to standard operating procedure without instructor assistance	Student performs complete Gram Stain procedure according to standard operating procedure with minimal instructor assistance	Student performs complete Gram Stain procedure according to standard operating procedure with moderate instructor assistance	Student is only able complete the Gram Stain procedure with constant instructor assistance	
<b>Evaluate</b>	Correctly focuses slides and interprets results. Is able to troubleshoot possible errors in performance and corrective action to be taken on next attempt without assistance.	Is able to correctly focus slides under microscope and correctly interprets results and troubleshoots possible procedural errors with minimal instructor assistance.	Requires moderate assistance with microscope adjustment and slide interpretation. Needs instruction on possible procedural errors and corrective action.	Is unable to focus microscope or interpret slides. Requires re-teaching.	

