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illest?
Even if "OK" list seven means of error

44	Exercise 5	
3.	Can iodine be added before the pri	mary stain in a Gram stain?

4. List the steps of the Gram staining procedure in order (omit washings), and fill in the color of gram-positive cells and gram-negative cells after each step.

List the color that would be observed microscopically afterwards - red, purple,

		Appéarance Clear, e		
Step	Chemical	Gram-Positive Cells	Gram-Negative Cells	
1				
2				
3				
4				

5	Which step can be omitted withou	taffecting determination	of the Gram reaction?
J.	Willelf Step Carr Se State		

because after the previous step, GN + GP are already differentiated

Critical Thinking

No contaminants.
Only 1 type of bacteria is present.

- 1. Suppose you Gram stained a sample from a pure culture of bacteria and observed a field of red and purple cocci.

 Adjacent cells were not always the same color. What do you conclude?
- 2. Suppose you are viewing a Gram stained field of red rods and purple cocci through the microscope. What do you conclude?
- 3. Since you can't identify bacteria from a Gram stain, why might a physician perform a Gram stain on a sample before prescribing an antibiotic?
- 4. If you Gram stained human cells, what would happen?

Procedure questions: (Skip the question in Step #4)