Activities

1. Study a microscope used for direct microscopic examination. Draw the microscope and label its parts.

2. Draw the three general forms of bacteria and color the cocci and spirilla Gram-negative and the bacilli Gram-positive.

3. Tour a commercial or state diagnostic laboratory and observe the performance of bacteriologic tests.

4. Observe positive results of the following bacteriologic tests at a diagnostic laboratory or veterinary clinic, or view a picture of positive results in a clinical microbiology book. Make a drawing of your observations.
   a. Fresh bacteria smear slide
   b. Stained bacteria on a smear slide
   c. Bacterial growth on culture plate
   d. Serum agglutination in tube or on plate or card