**Microscope Parts and their Functions**

**Skills and Strategies Applied:**
- Following directions
- Cueing Techniques (word bank)
- Graphic Organizers to formulate language (paragraph template, diagram)

**Procedure:**

1. Using the **Word Bank** below, identify and label the various parts of a microscope on the diagram.

2. In the Word Bank, check the box next to each part of the microscope after you have labeled it on the diagram.

3. After you have completed labeling the diagram, complete the **matching exercise**. Use the diagram as a guide to help you match the parts of the microscope with their function.
   a. Write the letter of the function on the line next to the corresponding microscope part.

4. Use the microscope diagram and the matching exercise to write a **sequential paragraph** about the steps involved in using a microscope.
   a. the following parts of the microscope must be used in your sequential paragraph:
      - *eyepiece lens*
      - *revolving nosepiece*
      - *stage and stage clips*
      - *objective lens*
      - *course focus*
Matching Exercise
Write the letter of the function on the line next to the corresponding microscope part.

1. Stage with Stage Clips____  a. the lens at the top that you look through
2. Course Focus____  b. connects the eyepiece with the objective lens
3. Illuminator____  c. the bottom of the microscope used for support
4. Objective Lenses____  d. supports the tube and connects it to the base
5. Tube____  e. magnifies the object on the slide usually 4X, 10X, 40X
6. Eyepiece lens____  f. rotating part that holds two or more objective lenses
7. Revolving Nosepiece____  g. platform and devices that hold the slide in place
8. Arm____  h. the light source
9. Base____  i. brings object on slide into clear view
Sequential Paragraph

Fill in the template below to help you create a sequential paragraph about the steps involved in using a microscope. Remember, you must use the following parts of the microscope in your paragraph: eyepiece lens, revolving nosepiece, stage and stage clips, objective lens, and course focus.

Question: What are the steps involved in the process of using a microscope?

Topic Sentence:

(Turn the question into a statement to create your topic sentence.)

Details:

First Step: First, ______________________________________

Second Step: Then, ______________________________________

Third Step: Next, ______________________________________

Fourth Step: After that, ______________________________________

Fifth Step: Finally, ______________________________________

Clincher sentence: ______________________________________