



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*



- Word Bank**
- Arm
 - Revolving Nosepiece
 - Eyepiece Lens
 - Base
 - Stage with Stage Clips
 - Illuminator
 - Objective Lenses
 - Tube
 - 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: _____