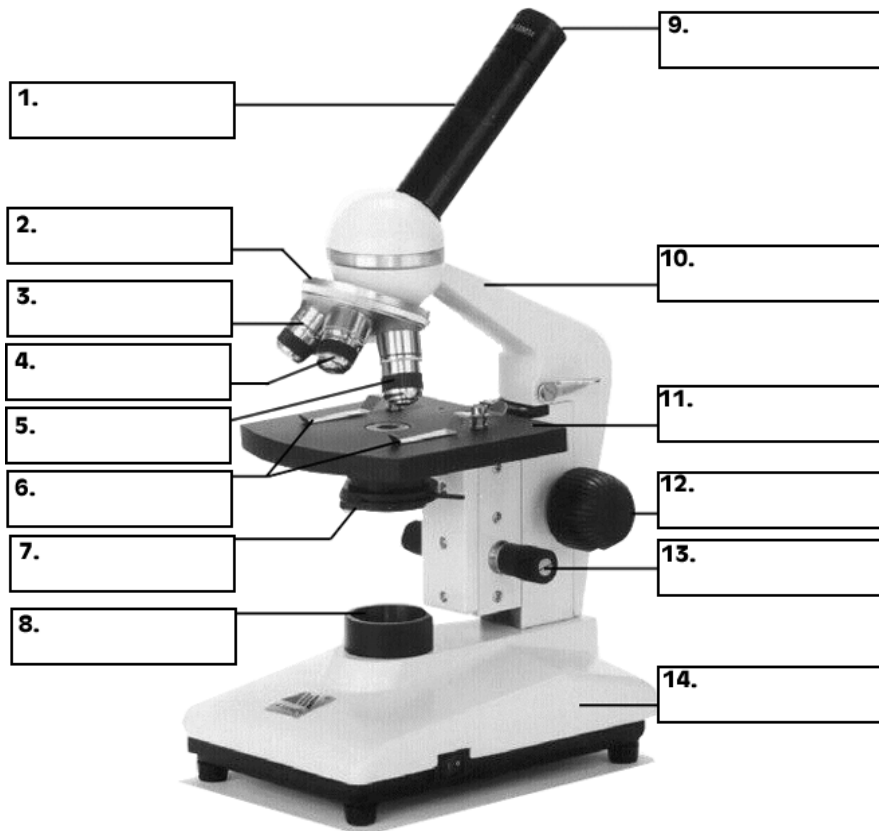


Name: \_\_\_\_\_

Period: \_\_\_\_ Date: \_\_\_\_\_

## Microscope Worksheet

Purpose of Microscope: \_\_\_\_\_



Word bank: eyepiece (ocular lens), arm, stage, coarse adjustment knob, fine adjustment knob, base, light source (lamp), diaphragm, stage clips objective lens, nose piece, Body tube

Video Resources: Amoeba Sisters - take notes in this worksheet as needed. <https://www.youtube.com/watch?v=tVcEEw6qbBQ>

## Microscope Use Questions:

- When focusing a specimen, you should always start with the \_\_\_\_\_ objective.
- When using the high power objective, only the \_\_\_\_\_ knob should be used.
- The type of microscope used in most science classes is the \_\_\_\_\_ microscope.
- You should carry the microscope by the \_\_\_\_\_ and the \_\_\_\_\_.
- The objectives are attached to what part of the microscope (it can be rotated to click lenses into place)?  
\_\_\_\_\_
- A microscope has an ocular objective of 10x and a high power objective of 50x, what is the microscope's total magnification?  
\_\_\_\_\_

## Microscope Checklist

*Did you.....*

- 1. turn off the lamp?
- 2. put objective lens at its lowest setting (usually 4x)?
- 3. clean & return slide & cover slip?
- 4. set diaphragm at 3?
- 5. tuck electrical cord away neatly?
- 6. clean any dirty lens and the stage?
- 7. cover the microscope?

## NEVER Laws

- Place microscope near the edge of the table.
- Use coarse adjustment knob when using high power objective lens (40x and above).
- Move stage toward the objective lens when focusing