

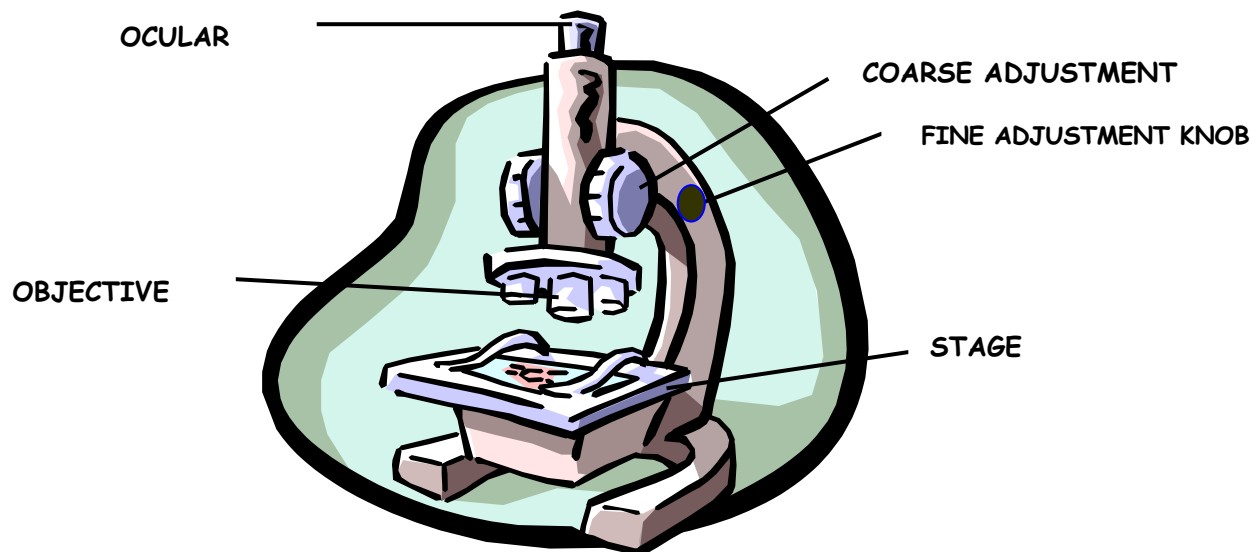
MICROSCOPE INSTRUCTIONS

1. Turn objective lenses to lowest power lens (4X) and place slide on stage
2. Focus using the coarse adjustment knob ONLY
3. Place object on slide in center of view finder
4. Turn objective lenses to middle power (10X)
5. Focus using the coarse adjustment knob ONLY
6. Place object on slide in center of view finder
7. Turn objective lenses to highest power (40X)
8. Use ONLY the fine adjustment knob to focus
9. You may also turn the ocular lens to increase or decrease magnification
10. Calculate viewing power

To calculate the power you are viewing the object on the slide, multiply the objective lens and the ocular lens powers.

Example one: objective lens = 10X and ocular lens = 20X, the overall magnification = 200X. (You are viewing this object magnified 200 times)

Example two: objective lens = 40X and ocular lens = 15X, the overall magnification = 600X. (You are viewing this object magnified 600 times)



Troubleshooting

Having trouble with working your microscope? Here are some common problems and solutions.

1. **Image is too dark!** Adjust the diaphragm, make sure your light is on.
2. **There's a spot in my viewing field,** even when I move the slide the spot stays in the same place! Your lens is dirty. Use lens paper, and only lens paper to carefully clean the objective and ocular lens. The ocular lens can be removed to clean the inside.
3. **I can't see anything under high power!** Remember the steps, if you can't focus under scanning and then low power, you won't be able to focus anything under high power.
4. **Only half of my viewing field is lit,** it looks like there's a half-moon in there! You probably don't have your objective fully clicked into place