






# Parts of the Microscope and Their Function



# Rules of using a microscope

- ⇒ Always carry with 2 hands
  - ⇒ Only use lens paper for cleaning
  - ⇒ Do not force knobs
  - ⇒ Always store covered
  - ⇒ Be careful of the cords
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# Parts of a microscope



# Parts of a microscope

⇒ Eyepiece



# Parts of a microscope

⇒ Body tube



# Parts of a microscope

⇒ Nosepiece



# Parts of a microscope

- ⇒ Objectives
  - ⇒ Low power (short)
  - ⇒ High power (long)



# Parts of a microscope

⇒ Arm





# Parts of a microscope

⇒ Stage



# Parts of a microscope

⇒ Stage clips



# Parts of a microscope

⇒ Diaphragm



# Parts of a microscope

⇒ Coarse and fine adjustment knobs



# Parts of a microscope

⇒ Light source




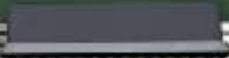

# Parts of a microscope

⇒ Base




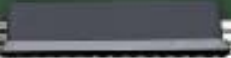


# Magnification

- ⇒ Multiply the eyepiece magnification (10X) by the objective magnification (4X, 10X, 40X)
    - ⇒ Example:  $4 \times 10 = 40X$  total
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# How to use a microscope

- ⇒ Place the slide on the stage
  - ⇒ Use stage clips to secure slide
  - ⇒ Adjust nosepiece to lowest setting
    - ⇒ (Lowest = shortest objective)
  - ⇒ Look into eyepiece
  - ⇒ Use coarse focus knob
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