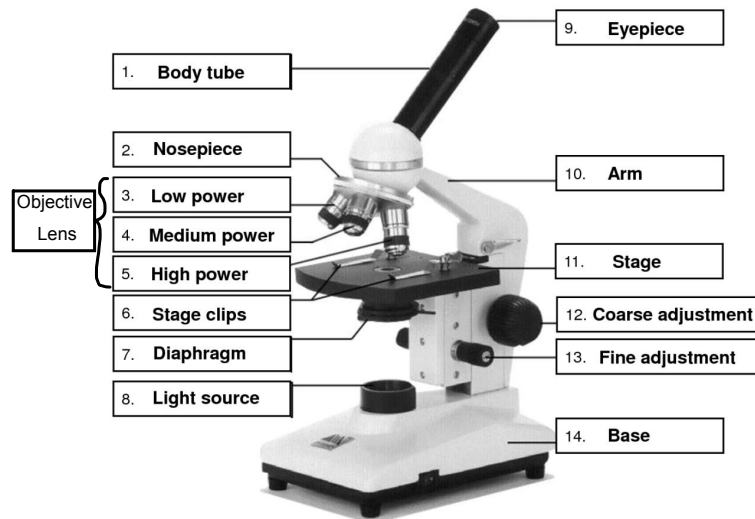


Compound Microscope



Eyepiece (or ocular lens) - The part you look through. Magnifies objects 10x.

Body tube - Holds the eyepiece and objective lenses at proper distance apart

Nose Piece - Revolves and holds objective lenses. Turn to change lenses

Objective Lenses- High 100x, Medium 40x, Low 10x marked on lens. Magnify the object.

Stage Clips - Metal clips to hold slides in position

Stage - Supports the microscope slide. A hole in the center of the stage allows the light from the light source to pass through the slide.

Diaphragm - Use this to control the amount of light reaching the object being viewed.

Light Source - May be a mirror or light bulb but it shines on the object making it easier to see details.

Arm - Connects the base and tube. Used to carry microscope.

Course-adjustment knob (Big) - Moves the tube or stage up or down to bring the object into focus. Use it only with the low-power objective lens.

Fine-adjustment knob (Small) - Use with medium- and high-powered magnification to bring object into sharper focus.

Base - Bottom of microscope. Used for carrying.



Spontaneous Generation- The belief that living things developed from non-living material. Proven wrong after using the microscope.

Ex) Maggots appeared out of nowhere on dead decaying meat.