

STRUCTURE OF THE MICROSCOPE

Use the word list to label the microscope below:

Light Source

Stage Clips

Base

Arm

Ocular Lens (Eyepiece)

Coarse adjustment knob

Objectives

Stage

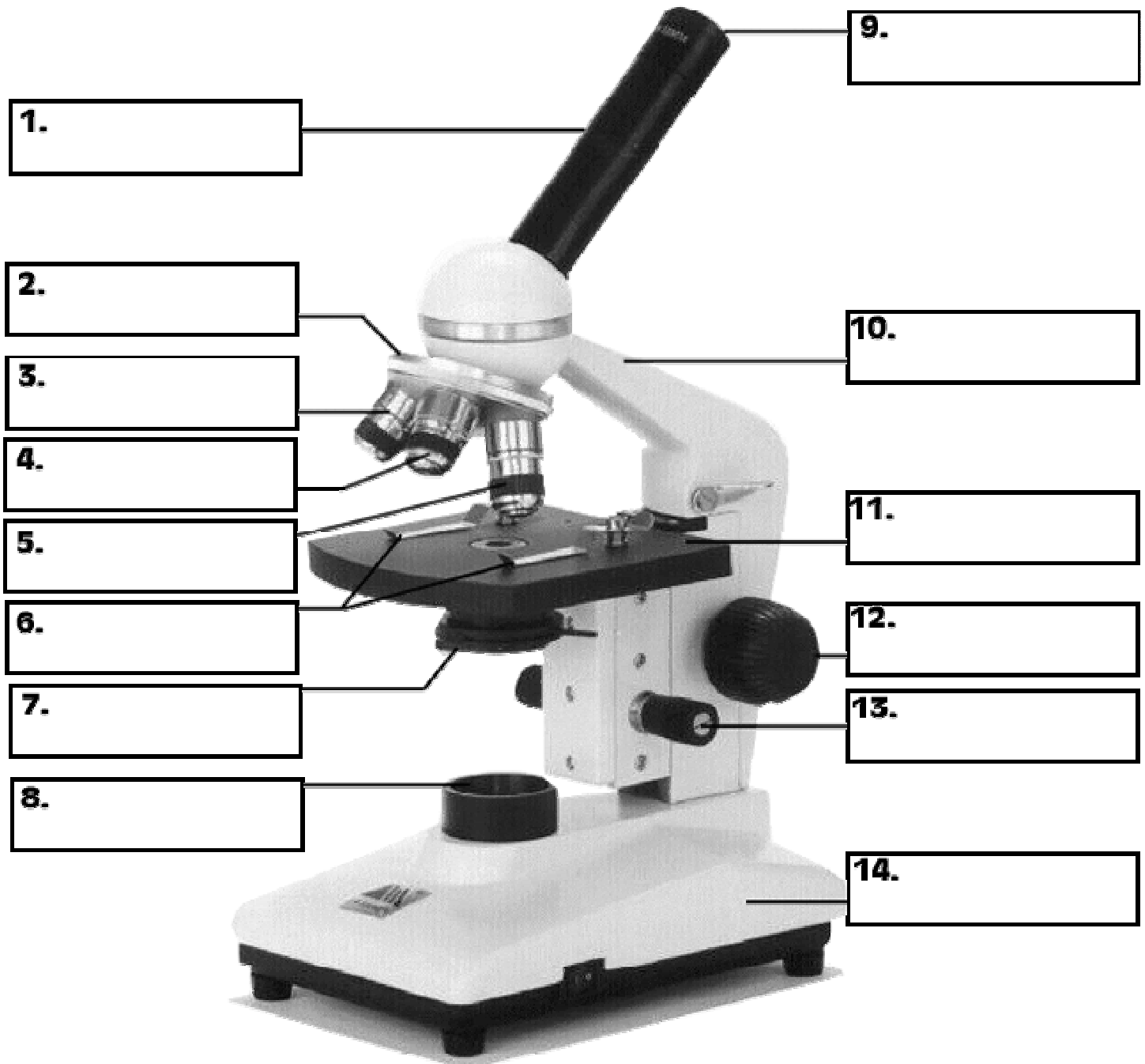
Revolving nosepiece

Diaphragm

Fine Adjustment Knob

Stage Clips

Body tube



Microscope Parts and Their Function

microscope part	function
	<ul style="list-style-type: none">- your eye is positioned here; look through this part- magnifies the object (usually 10 times or "10X")
	<ul style="list-style-type: none">- holds the eyepiece and objective lense at correct distance
	<ul style="list-style-type: none">- rotating disk holds 2 or more objective lenses and is turned to change lenses; lenses "click" into place
	<ul style="list-style-type: none">- magnifies the object (usually 4X for high schools)- start observing your specimen using this lens
	<ul style="list-style-type: none">- magnify the object- use these lenses to provide a more detailed view of the specimen; use medium then high power lens
	<ul style="list-style-type: none">- connects the base and the tube; used for carrying
	<ul style="list-style-type: none">- moves the tube up and down- used only with the low power objective lense
	<ul style="list-style-type: none">- used with medium and high magnification lenses- brings the specimen into sharper focus
	<ul style="list-style-type: none">- supports the microscope slide
	<ul style="list-style-type: none">- holds the slide in one place
	<ul style="list-style-type: none">- controls the amount of light reaching the object being viewed
	<ul style="list-style-type: none">- shining light through the object being viewed makes it easier to see the details
	<ul style="list-style-type: none">- supports the entire microscope- used for carrying

Define the following terms of Microscopy pg 18-23

Magnification

Calculation for determining magnification

Resolution [Figure 1.9]

Contrast

Field of View

Calculation for determining Field of View

Electron Microscope

Transmission Electron Microscope - (TEM)

Scanning Electron Microscope - (SEM)