Name _____ Date _____ Period _____

Microscope Review

Part A: Parts of the Microscope Jobs

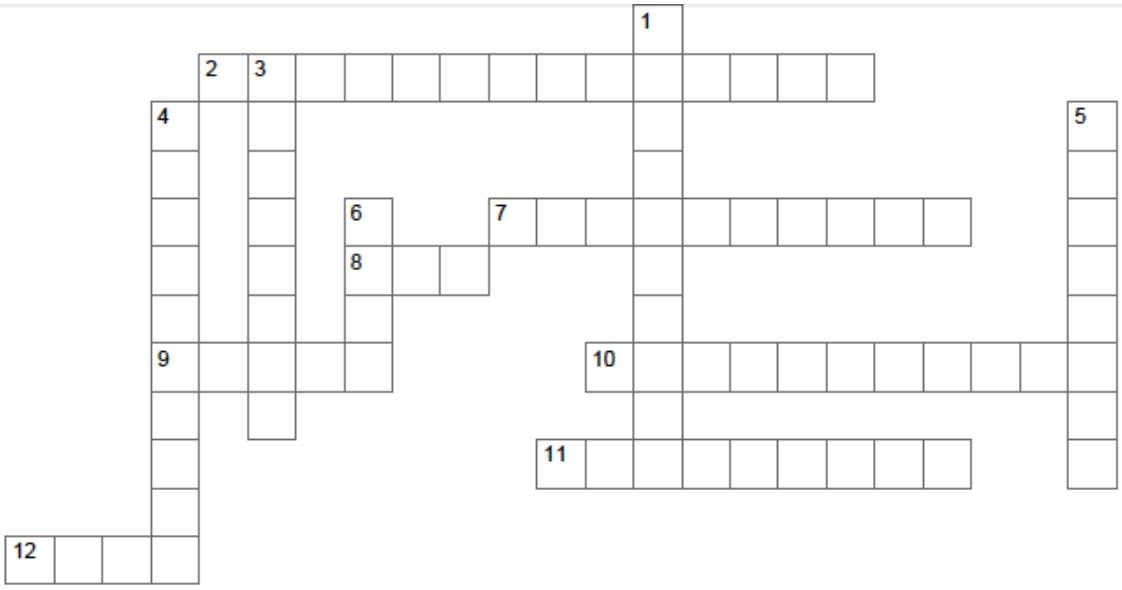
Match the following parts of the microscope to their function (job) or description.

LIGHT	1. HOLDS THE HIGH AND LOW OBJECTIVES IN PLACE
DIAPHRAGM	2. SUPPORTS THE BODY TUBE
FINE ADJUSTMENT KNOB	3. SHARPENS IMAGE BY MOVING THE BODY TUBE JUST SLIGHTLY
EYEPIECE	4. HOLDS THE MAGNIGYING LENS AND IS USED FOR VIEWING
NOSEPIECE	5. CONTROLS THE AMOUNT OF LIGHT ENTERING THE BODY TUBE
COARSE ADJUSTMENT KNOB	6. SUPPORTS THE ENTIRE MICROSCOPE
ARM	7. PROVIDES LIGHT FOR VIEWING
BODY TUBE	8. HOLDS SLIDES IN PLACE ON THE STAGE
LOW POWER OBJECTIVE	9. A FLAT SURFACE TO PLACE THE MICROSCOPE SLIDE ON FOR VIEWING
STAGE	10. HAS A MAGNIFICATION OF 10X AND IS FOUND ON THE NOSE PIECE
STAGE CLIPS	11. HAS A MAGNIFICATION OF 40X AND IS FOUND ON THE NOSE PIECE
HIGH POWER OBJECTIVE	12. KEEPS CORRECT DISTANCE BETWEEN THE EYEPIECE AND THE LENS. HAS A MAGNIFICATION OF 10X
BASE	13. MOVES THE BODY TUBE UP AND DOWN FOR FOCUSING

Name _____ Date _____ Period _____

Microscope Review

Part B: Parts of the Microscope Jobs



ACROSS

2. Located on the side of the frame, used to adjust the focus of the microscope
7. The lens or system of lenses in a microscope that is nearest the object being viewed
8. Supports upper part of the microscope
9. Small platform where the specimen is mounted for examination
10. Light or mirror that projects light through the diaphram
11. Holds two or more objective lenses and can be rotated to change power
12. Connects the eyepiece to the objective lenses

DOWN

1. Holds the slide in place on the stage
3. Located on the stage, adjusts the amount of light passing into the slide
4. Magnifier of the image of small objects
5. Combination of lenses at the viewing end of optical instruments
6. The bottom of the microscope, used for support

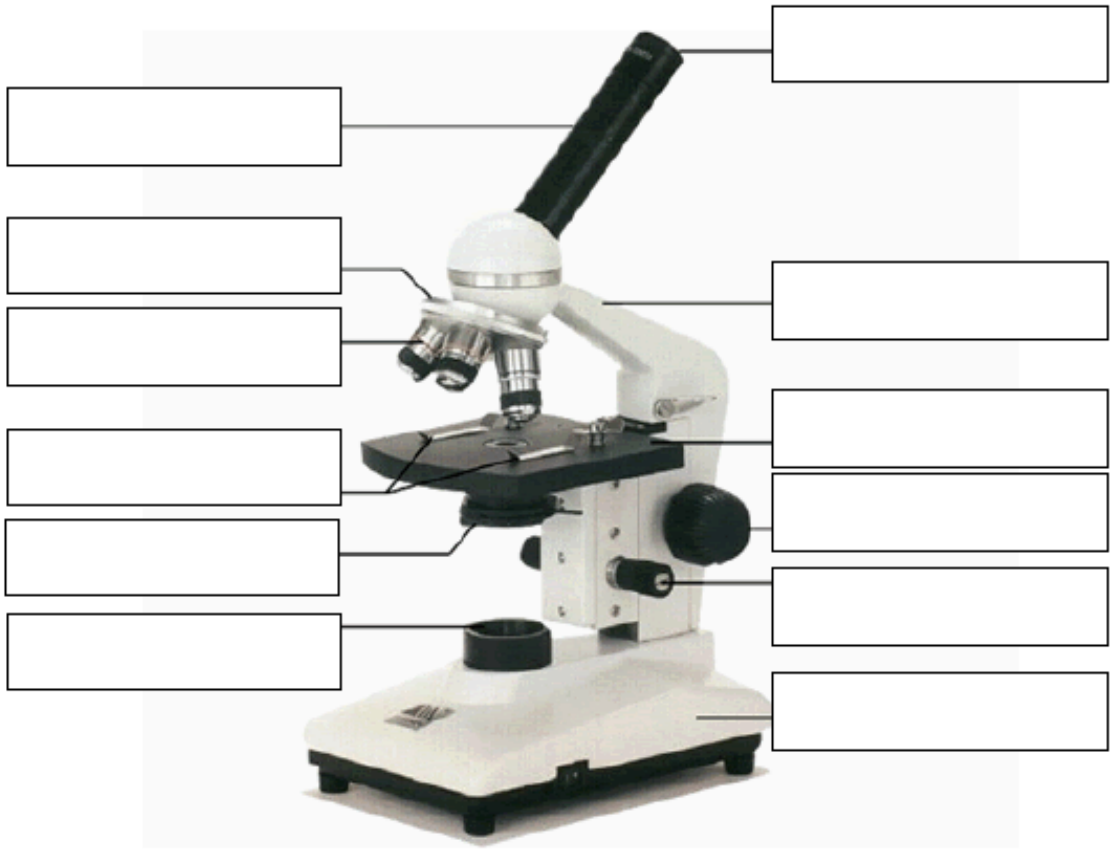
Stage	Eyepiece	Base	Diaphram
Light source	Microscope	Nosepiece	Arm
Adjustment knob	Objectives	Tube	Stage clips

Name _____ Date _____ Period _____

Part C: Identifying Microscope Parts

Use the word list to help you label the microscope.

Arm	Diaphragm	Objective Lenses
Base	Fine Adjustment Knob	Ocular Lens
Body Tube	Light Source	Stage
Coarse Adjustment Knob	Nosepiece	Stage Clips



Part D: Total Magnification

Calculate the missing information in the chart.

Total magnification = _____ x _____

Ocular Lens	Objective Lens	Power of Magnification
10	4	
5		200
	10	120

Name _____ Date _____ Period _____

Part E: Microscope Vocabulary

Define each of the vocabulary words using your History of the Microscope Notes

1. Lens-

2. Simple microscope-

3. Compound microscope-

4. Microscope means

Part F: History of the Microscope

Complete the tree map by identifying the *scientific discoveries* made by each scientist.