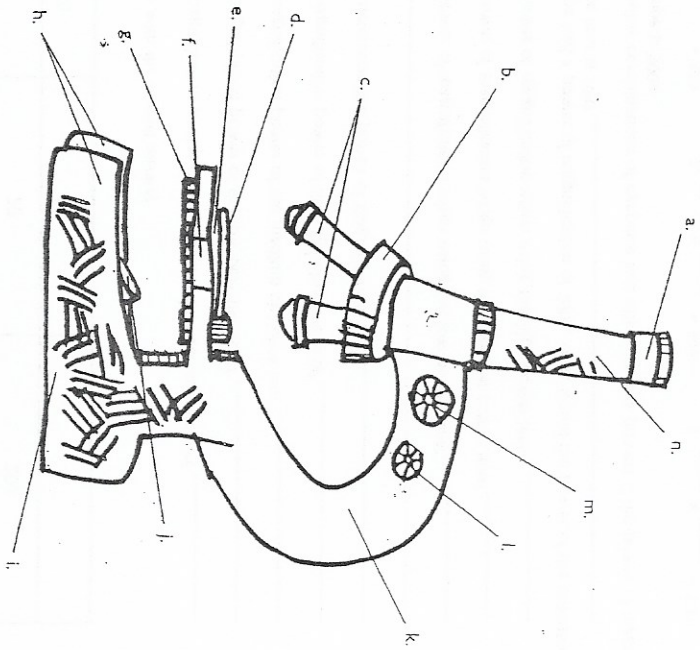


Microscope Anatomy Quiz

Name _____

Identify the parts of the microscope by writing the letter of the part in the space next to the correct name. One space will remain blank.



- | | | |
|-----------------|------------------------------|-------------------|
| _____ eyepiece | _____ coarse adjustment knob | _____ diaphragm |
| _____ legs | _____ mirror or lamp | _____ stage |
| _____ body tube | _____ fine adjustment knob | _____ stage clips |
| _____ nosepiece | _____ objective lenses | _____ aperture |
| _____ arm | _____ base | _____ slide |

Microscope Function Quiz

Name _____

Match each part of the microscope with its proper description by writing the letter of the description next to the name of the part.

- | | |
|------------------------------|--|
| _____ eyepiece | a. The flat place under the objective lenses where you place the slide for viewing. |
| _____ body tube | b. You look into the microscope through this part. |
| _____ nosepiece | c. The opening in the center of the stage that allows light through so you can easily see the object on the slide. |
| _____ objective lenses | d. The mirror or lamp is located between these two things. |
| _____ arm | e. The objective lenses are mounted in this part of the microscope. |
| _____ coarse adjustment knob | f. You begin your focusing with this part of the microscope. |
| _____ fine adjustment knob | g. This provides light so that it is easier to see the object that you are viewing. |
| _____ stage | h. This part supports the entire upper portion of the microscope. |
| _____ stage clips | i. This is a thin piece of glass where you place your specimen. |
| _____ slide | j. Light passes from the objective lens to the eyepiece through this part of the microscope. |
| _____ aperture | k. This is the support for the microscope that holds it up. |
| _____ diaphragm | l. Once the object that you would like to view comes into focus, you use this to fine tune the image. |
| _____ mirror or lamp | m. These two things keep the slide from moving around on the stage. |
| _____ base | n. You can move this disk under the stage and control the amount of light that comes up through the aperture. |
| _____ legs | o. There may be two or three of these mounted on the nosepiece. Each one magnifies a different power. |



Exercises

1. Fill out the grid below.

Eyeiece	Objective Lens	Power of Magnification
10	4	40
10		600
	20	200
10	10	

2. Fill in the blanks with the correct answer.

- What is the magnification power of the eyepiece on your microscope? _____
- What is the magnification power of the low objective lens? _____
- What is the magnification power of the medium objective lens? _____
- What is the magnification power of the high objective lens? _____
- How do you determine the power of magnification? _____
- What is the power of magnification when using the low power lens? _____
- What is the power of magnification when using the medium power lens? _____
- What is the power of magnification when using the high power lens? _____
- If a microscope had a power of magnification of 200x, what would the power of the objective lens be if the eyepiece lens is 10x? _____
- List three possible combinations of eyepiece and objective lens powers if the power of magnification for a microscope is 500x.
 - _____ x _____ = 500
 - _____ x _____ = 500
 - _____ x _____ = 500



Microscope Word Search

Homework

Circle all of the words that are listed on the bottom of the page. They can be found forward, backward, diagonally, horizontally, and vertically. Good luck!

H P R R J I F O F Z O W N J R Y C R O V O L J E L Z K A K Y S S J T N Y
 D I J X Q C E I I Y V X E N S Z Y E T H F U E S O B C U L T T Y P O Y O
 K Y G X K O X S E N I F G D J W P D E I E Y M S T E L T U L B I P O T L
 P M F H A P F K D L J G A C M S G R F R E L T H L T H V B U I U E Q T M
 R E W O P W O L F L D S T P Z G G O L D V Q E L E F V F W L H N O J I X
 C I D D Q O K Z K J V O S R O T C B R F X M S Y D H J H Q J F T A G F S
 O Y T I V F W F O C U S F V Z J Y O B K Y D E U V E T F T S F B E Y K U
 P C Z M L F S S E F O P C Y V E W P K W J P P J F H I M R C W G X U O M P
 C K B W N S T W R A I Y B W I P H K L P I S L H T S V J J B U N R C A A
 M G V K M Z A S Z R L Y U W E E Z C L E Y K Q L S R P N O M H B P H U X
 I I H L C Y G U T S S L A R L U W V C Y F U E K Q T Z D Z A T D J P C N
 Z O R R O T E S E J E R O P W J I H E H R D Z M W T D P K B N O J Z M N Q
 W N D R U T O R E E J E W T L P B Z E U D R A M J A O W M F L V B W V F E L
 U O U I O S L I P B V Z R X S X O E D R A M J A O W M F L V B W V F E L
 D M G S N R I X O Z O X S S G O W S D Y G C Y A P V C L K Y N G F A X O P E
 B A R Z B E P S O R C F E P H T O M Y Q T H A P E R T U R E V L G S U F O
 C G W M C O S L S P O L H U A G O H M T R R W K N J A T B X L L C E W
 Q G K C G U Z B O Y R O N I K U C O M A U M V F C G P E R E A L L C E W
 X M J X I S R R R Z Y M N C N I M H G R J B S S O V F E N I O M F X X V
 F G P G K P F J C F G N L T W P Y M X S F A E C C B F N F I A D C J M U
 N O I T A C I F I N G A M Z L K B U S W E T M A O U N T O Q V F A M Z T G
 X J F P D H U G M U P F X I F T A E H U F E A X U O V Z T N W I D U W E
 I Q N Q A N L E N S X O C G N J M N K J V M F A O Y C J L C J O Z M M A
 E I X J B F K J X B X W P G M H K F G A J E D L G J C Z G W M T O O V W

Diaphragm	High Power	Border	Slide	Heat Fix
Eyepiece	Low Power	Title	Mirror	Field of View
Focus	Stage Clips	Stain	Arm	Dry Mount
Microscope	Body Tube	Aperture	Cover Slip	Wet Mount
Magnification	Base	Coarse	Lens	Cells
Stage	Legs	Fine	Iodine	Eyedropper