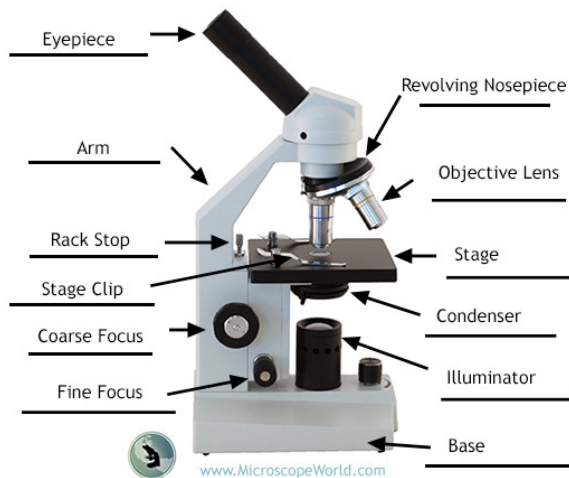


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Chapter 3 and 4
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1.



2 The proper technique for transporting the microscope it should be held with one hand and the other hand should be held at the other part of the microscope.

3. 1. Special grit free lens paper
2. Scanning objective lens
3. True
4. True
5. True

- 4A. I (Stage)
- B. B (Condenser)
- C. E (Mechanical Stage)
- D. D Ins diaphragm lever)
- E. C (Fine adjustment Knob)
- F. F (Nose piece)

5. Total magnification: is the product of the ocular lens magnification and the objective lens magnification.

Resolution: is the ability to distinguish two objects from each other.

61. Working distance.

2. Right

3. Field

4. 95x

5. It provides more contrast the cell

6. Parfocal

7. 0.75mm

8. 1.5mm

7. F

8. 16

9. This might occur because the object will then be out of focus and not function properly .

To prevent this from happening you should check to see if the focus of the object is clear.

10. Increase, Increase, Decrease, Decrease

11. The high power lease are on shorter working distance.

Experiment

12. Place a drop of Saline on a clean slide

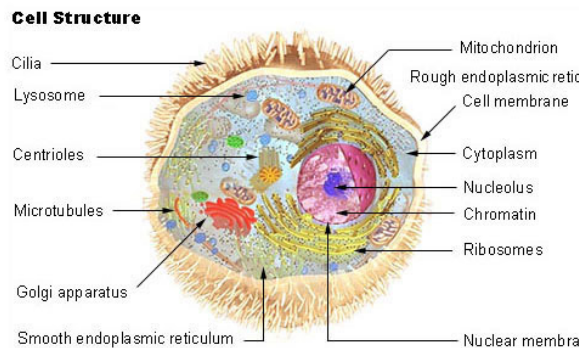
13a. Problem adjusting the lease

b. Lense not being placed correctly

14. One needs to use high magnification in order to see the cells.

15. Makes it easier to observe internal structure.

Chapter 4



1. 1 F. 2. H 3. A 4. B 5. J 6. C 7. K 8. E 9. D 10. G 11. I

2. 1. Sperm 2. Smooth 3. Squamous epithelium 4. Human red blood 5. Squamous 6. Human red blood cells . 7. Smooth muscle

3. Mitotic cell division is when the cell reproduces its self by dividing

4. Procedure for the cell to Reproduce and grow

5. 1. Phase: Metaphase Events :B, F. 2.phrase : prophase Events:
C, H 3. Phase : Anaphase Events : e. 4. Phase : telophase
Events : A, D

6.

7. Interphase is when the cell carries out its normal metabolic activities and grows.

8. 1. Nucleus 2. Cytoplasm 3. Condensed 4. Centromeres 5. Binucleate cell

6. Spindle 7. interphase 8. Skeletal muscle 9. Cardiac muscle 10. Neurons

9. Ribosome

10. Lysosomes

11. This can occur during interphase in the S phase