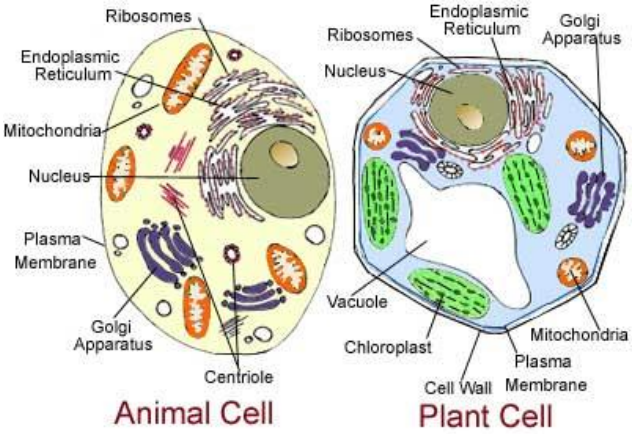
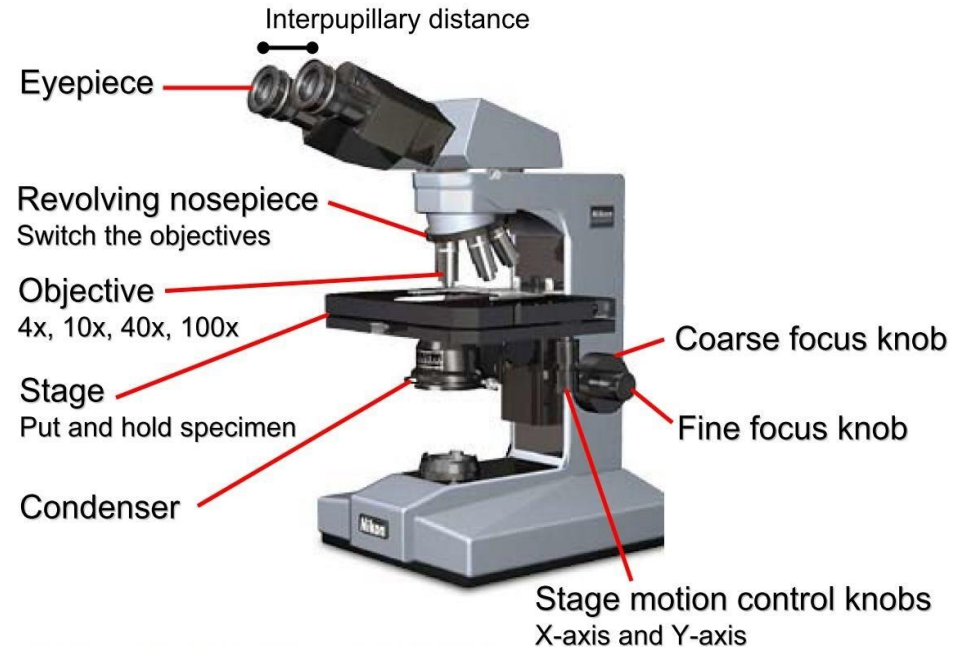
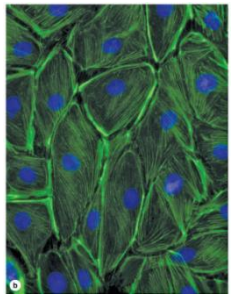

Ribosomes
Endoplasmic Reticulum
Mitochondria
Nucleus
Plasma Membrane
Golgi Apparatus
Centriole
Animal Cell
Ribosomes
Endoplasmic Reticulum
Golgi Apparatus
Nucleus
Vacuole
Chloroplast
Mitochondria
Plasma Membrane
Cell Wall
Plant Cell

المجهر الضوئي
LIGHT MICROSCOPY

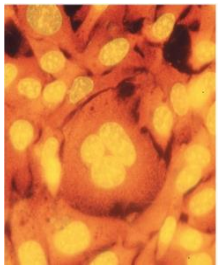
The microscope



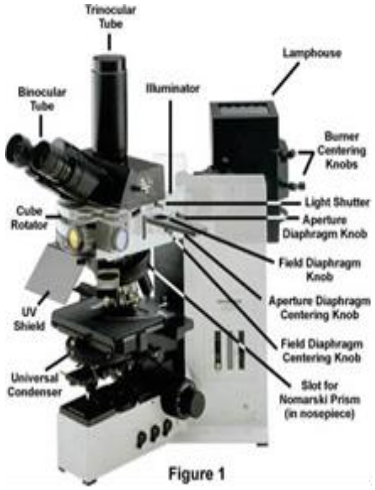
Fluorescence Microscopy
المجهر المفلور



DAPI (4',6-diamino-2-phenylindole) and with phalloidin

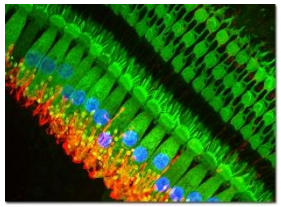


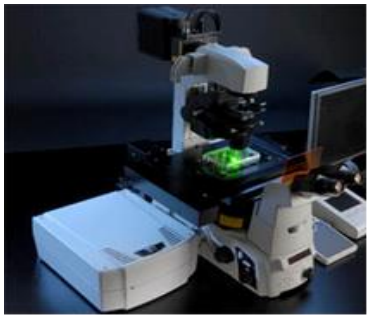
acridine orange



Confocal Microscopy

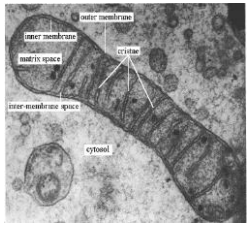
المجهر البؤري





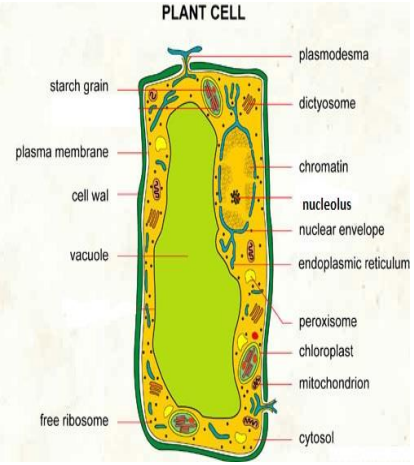
Electron Microscopy

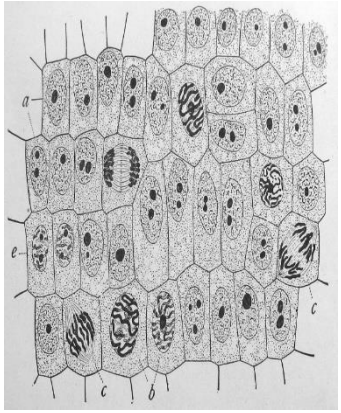
المجهر الإلكتروني



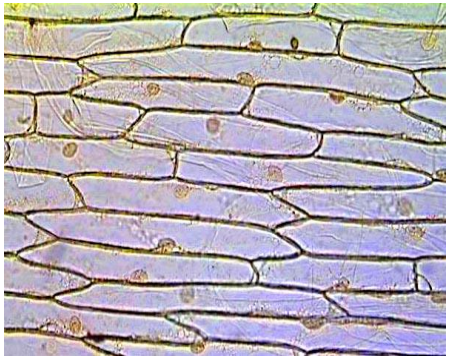
SEM

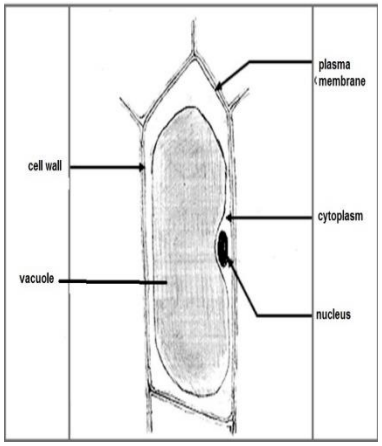
TEM

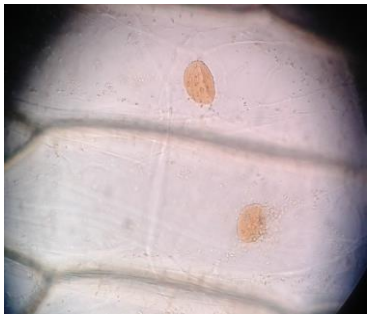

PLANT CELL
plasmodesma
starch grain
dictyosome
plasma membrane
chromatin
cell wal
nucleolus
nuclear envelope
vacuole
endoplasmic reticulum
peroxisome
chloroplast
mitochondrion
free ribosome
cytosol


a
e
c
c
b

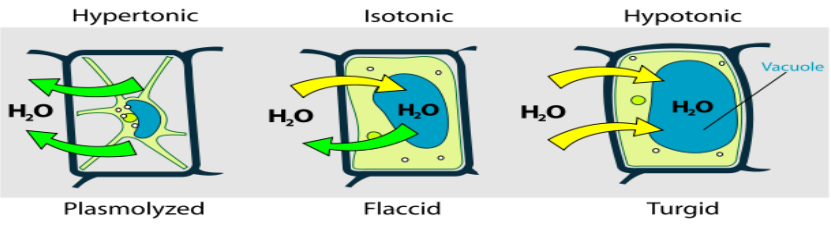
- النبات: البصل: Allium cepa
- الفصيلة الزنبقية Liliaceae
- الوسط ماء اليود اليودي المخفف




plasma membrane
cell wall
cytoplasm
vacuole
nucleus



Plasmolysis



- النبات: البصل: Allium cepa
- الفصيلة الزنبقية Liliaceae
- الوسط الغليسرين