BX60 Start-up
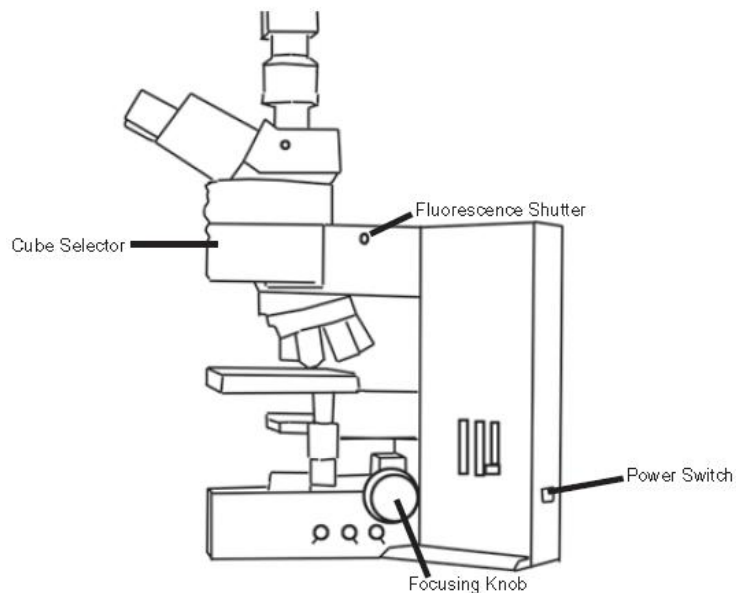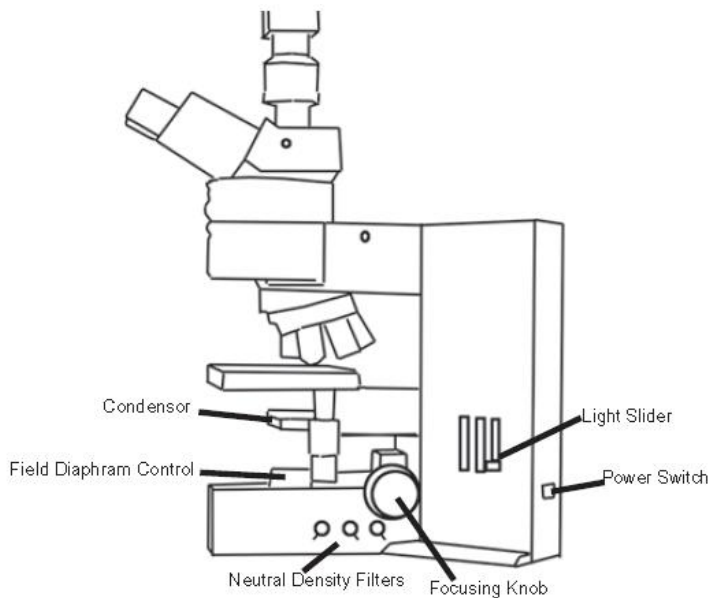1) Turn on the mercury burner if you are using it.
2) Turn on the camera
3) Turn on the microscope
4) Establish Köhler illumination
5) Turn on the computer and camera software

BX60 Objectives

All are
U = Universal (Brightfield, Darkfield, DIC, and Polarized Light)

PlanFl = plan-semi-apochromat = corrected for 4 colors
chromatically and spherically

Objectives		NA	Resolution R=0.61*λ/NA obj	
UPlanFL	4x/0.13	0.13	2.581	µm
UPlanFL	10x/0.30	0.3	1.118	µm
UPlanFL	20x/0.50	0.5	0.671	µm
UPlanFL	40x/0.75	0.75	0.447	µm
UPlanFL	100x/1.30 oil/iris	1.3	0.258	µm

Shut-down – only shut down if there are no users scheduled within an hour
1) Turn off the camera software and computer
2) Turn off the camera
3) Turn off the microscope
4) Position the 4x over the microscope
5) Always turn the mercury burner off last
6) Cover the microscope with the dust cover avoiding the mercury lamp housing

Pixel size by Objective for Images using Marcrofire camera at 2048 x 2048
4x = 552 pixels = 1000.00 microns = 1.81 microns per pixel
10x = 1387 pixels = 1000.00 microns = .72 microns per pixel
20x = 1744 pixels = 630 microns = .36 microns per pixel
40x = 1936 pixels = 350 microns = .18 microns per pixel