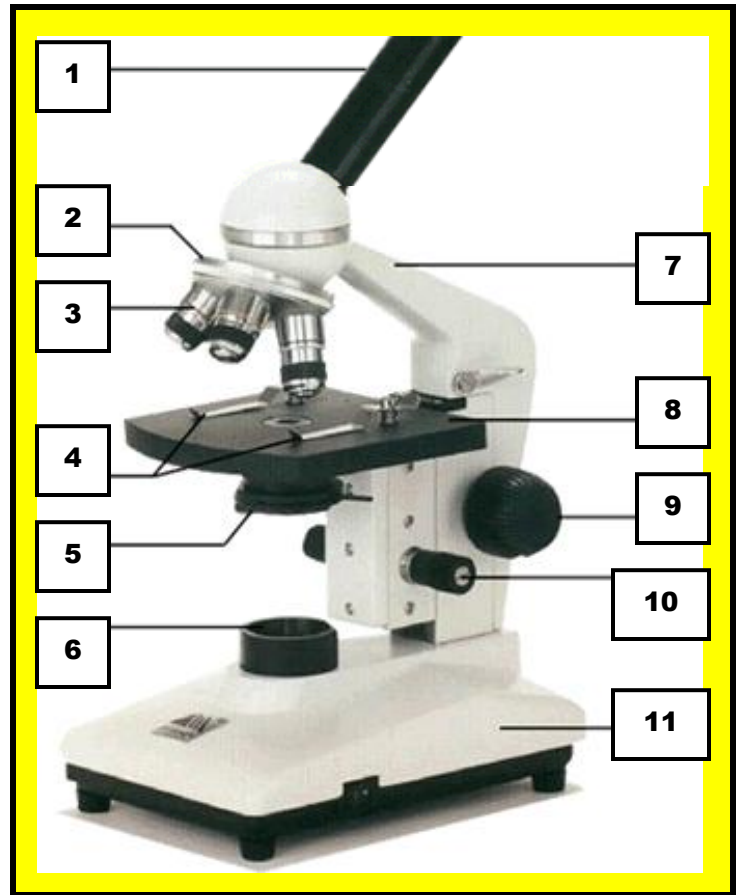


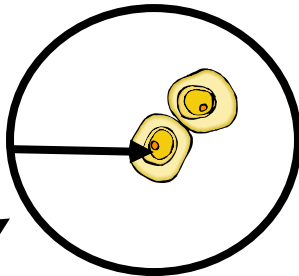
MICROSCOPE ANATOMY AND FOCUSING STEPS

1. **EYEPIECE (10X LENS)**
2. **ROTATING NOSE PIECE**
3. **OBJECTIVES (LENSES)**
 - a. **LOW POWER-4X (red)**
 - b. **MEDIUM POWER-10X (yellow)**
 - c. **HIGH POWER-40X (blue)**
4. **STAGE CLIPS**
5. **DIAPHRAGM (LIGHT CONTROL)**
Or might be a wheel with holes of varying diameters.
6. **LAMP (LIGHT SOURCE)**
7. **ARM**
8. **STAGE**
9. **COARSE FOCUS KNOB (NEVER w/HIGH)**
10. **FINE FOCUS KNOB (best w/ MED & HIGH)**
11. **BASE**



CALCULATING TOTAL MAGNIFICATION

TOTAL MAG = (EYEPEICE) X (OBJECTIVE)
(10) (4, 10, or 40)

1. **“STARTING POSITION”:**
 - STAGE (8)** is all the way **DOWN**
 - LOW POWER (3a)** objective in place
2. Place slide on **STAGE (8)** under **STAGE CLIPS (4)**
3. Use the **COARSE FOCUS KNOB (9)** with **LOW POWER (3a)** objective to bring the slide into focus
4. Use **THUMBS** to move slide around to find an object of interest. Put the arrow tip on that object 
5. Switch to **MEDIUM POWER (3b)** objective
****TIP: If it appears to be too BRIGHT or too DIM, adjust the DIAPHRAGM (5)**
6. **REFOCUS. **ONLY USE FINE FOCUS KNOB (10) from this point on!!!**
7. Switch to **HIGH POWER (3c)** objective and repeat step 6
8. Back to **STARTING POSITION**, **REMOVE** slide, and return or clean slide

