Instructor Set-up:

**Station One**:

Slide of simple squamous epithelium (alveoli)

* 1. Identify the tissue

**Station Two:**

Slide of pseudostratified columnar epithelium (trachea)

1. Identify the tissue

**Station Three**

Slide of Areolar Connective Tissue

1. Identify the tissue

**Station Four**

Slide of Dense Regular Connective Tissue

1. question
2. question

**Station five:**

Slide of Onion Root Tip: Anaphase

1. Identify the stage of mitosis

**Station six:**

Slide of onion root tip: Interphase

1. Identify the stage

**Station seven**

Slide of Adipose tissue

1. Identify the tissue

**Station eight**

Microscope: Indicate the low power objective lens

1. Identify this structure of the microscope
2. What is the magnification of this lens alone?

**Station nine**

Microscope: Indicate the coarse adjust knob

1. Identify this structure on the microscope

Question based on coarse adjust knob

1. At which magnification(s) can the above adjustment knob be used?

**Station ten:**

Provided Image: Anatomical region: (femoral)

1. Identify this anatomical region
2. Question

**Station Eleven:**

Provided Image: Anatomical region: (pectoral)

1. Identify this anatomical region
2. Question

**Station Twelve**

Provided image: Section: (Transverse)

1. Identify the type of section
2. Question

**Station Thirteen**

Provided image: Anatomical region: (coxal/hip)

1. Identify this anatomical region
2. Question

**Station Fourteen**

Provided image: Anatomical region: (Lumbar)

1. Identify this anatomical region
2. Question

**Station Fifteen**

Slide of blood. Please try to have only RBCs in the field of view (no white cells) If you do have white cells present, be prepared to accept leukocytes, white cells or any of their names as a correct response.

1. Identify this tissue
2. Question

**Station Sixteen**

Provided image: Anatomical region: (olecranal)

1. Identify this anatomical region

Answer Key:

* 1. Simple squamous epithelium. They must have “simple” and they must have “squamous”.
  2. Pseudostratified columnar epithelium. (Look for pseudostratified and be forgiving with the spelling”
  3. Areolar Connective tissue Also accept “loose connective tissue”
  4. collagen
  5. Lymph organs: spleen, lymph nodes
  6. Anaphase
  7. Interphase
  8. Adipose .
  9. Low power (10X) lens
  10. 10X
  11. Coarse adjust knob.
  12. Scanning power (4X lens) only. Do not accept “low power”.
  13. E femoral
  14. B Inferior
  15. B sternal
  16. B interphase
  17. Transverse plane. Also accept “cross section”
  18. C Intervertebral Discs
  19. D. coxal
  20. B medial
  21. B tarsal
  22. D lateral
  23. Blood.
  24. Accept Erythrocyte, red blood cells (not RBCs) red blood corpuscles,
  25. C olecranal

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. Circle one: a b c d e
14. Circle one: a b c d e
15. Circle one: a b c d e
16. Circle one: a b c d e
17. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
18. Circle one: a b c d e
19. Circle one: a b c d e
20. Circle one: a b c d e
21. Circle one: a b c d e
22. Circle one: a b c d e
23. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
24. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
25. Circle one: a b c d e

Station One

1. Identify the tissue in the field of view

Description: The cells of this tissue are often described as “pancake-like” or “flat.” This tissue is found in capillaries

Station Two

1. Identify the tissue in the field of view

Description: This tissue demonstrates nuclei that are not aligned. This gives them an uneven appearance. This tissue type may have cilia and goblet cells.

Station Three

1. Identify the tissue in the field of view

Description: This tissue can be found throughout the body. It is one of the tissues that we use as “packaging”.

Station Four

Observe the tissue in the field of view and answer the following questions based on it

1. What is the type of fiber that has the parallel arrangement specific to this tissue type?
2. Where is reticular connective tissue most commonly found?

Station Five

1. Identify the stage of mitosis seen on the slide

Station Six:

1. Identify the stage of the cell cycle seen on the slide

Station Seven

1. Identify the tissue in the field of view

Description: This tissue provides a space to store fat

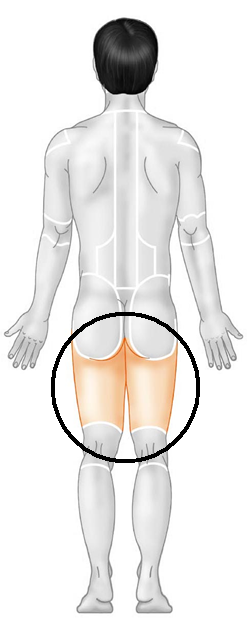
Station Eight

1. Identify the structure indicated on the microscope
2. What is the magnification of this lens alone?

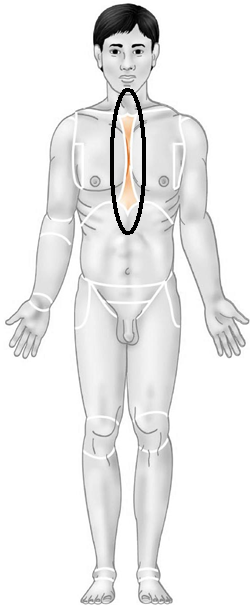
Station Nine

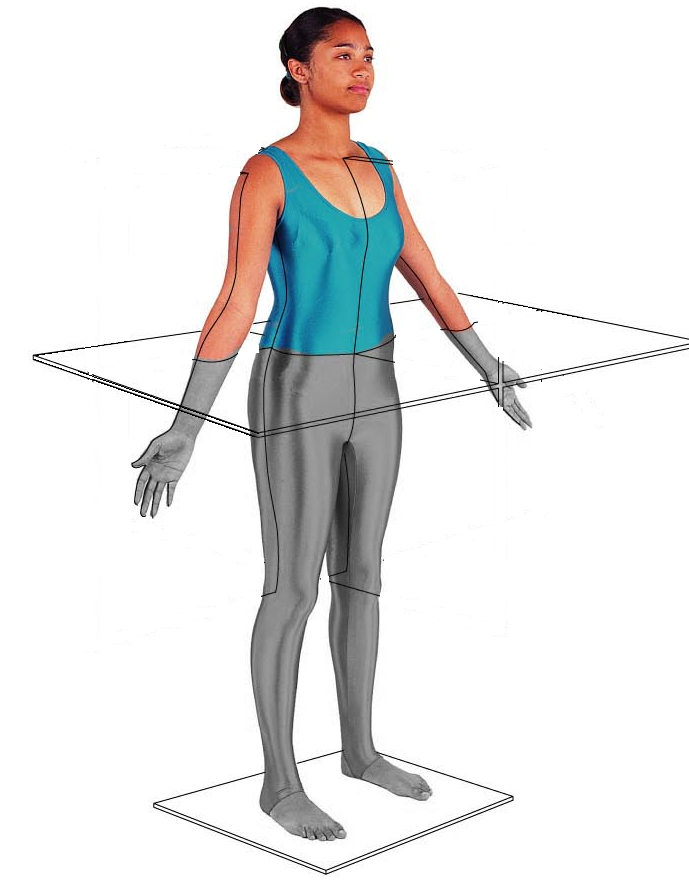
1. Identify this structure on the microscope
2. At which total magnification(s) can the above adjustment knob be used?
3. 10X
4. 40X
5. 100X
6. 400X
7. It can be used with all lenses

Station Ten

1. Identify the anatomical region shown 
2. popliteal
3. gluteal
4. crural
5. tarsal
6. femoral
7. The urinary bladder is \_\_\_\_\_\_\_\_\_\_\_\_ to the diaphragm
8. Superior
9. Inferior
10. Lateral
11. Medial
12. Distal

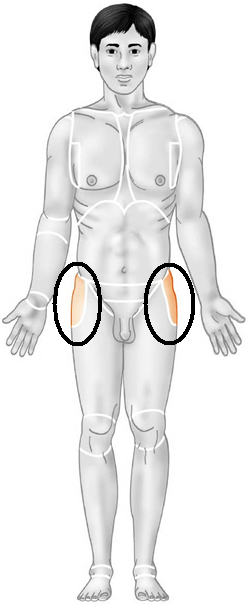
Station Eleven

1. Identify the anatomical region shown 
2. Clavicular
3. Sternal
4. Antebrachial
5. Pectoral
6. Carpal
7. Consider the cell cycle.   
   At what stage does DNA replication take place?
8. Metaphase
9. Interphase
10. Telophase
11. Cytokinesis
12. Prophase

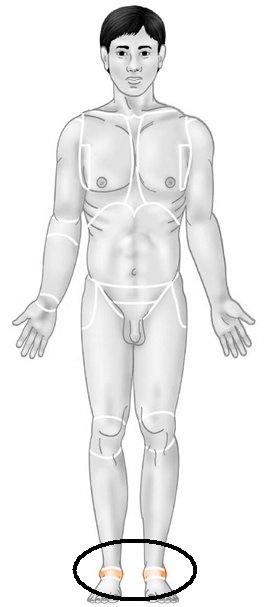
Station Twelve

1. Identify the section (plane) in the image
2. Where is fibrocartilage located?
3. In the nose
4. Pinna of the ear
5. Intervertebral disks
6. Epiglottis
7. Small intestine

Station Thirteen

1. Identify the anatomical region 
2. Hamstring
3. Lumbar
4. Groin
5. Coxal
6. Posterior
7. The elbow is \_\_\_\_\_\_\_\_\_\_ to the wrist
8. Superior
9. Proximal
10. Medial
11. Distal
12. Deep

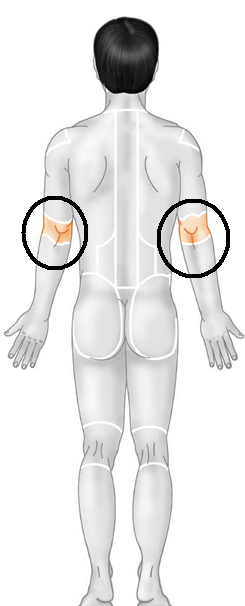
Station Fourteen

1. Identify the anatomical region:
2. Carpal
3. Tarsal
4. Gluteal
5. Sural
6. Hypodorsal
7. The lungs are \_\_\_\_\_\_\_\_ to the heart
8. Superficial
9. Deep
10. Inferior
11. Lateral
12. Medial

Station Fifteen

1. Identify the tissue in the field of view
2. Give the name of one of the cells in the field of view. Use the proper terminology (no common names or abbreviations)

Station Sixteen

25. Identify this anatomical region

a. apical

b. acromial

c. olecranal

d. antebrachial

e. antecubital