Mock Micropractical 1  
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Brought to you by:
APAMSA  
Chau Che, Steve Kim and Elinor Lin

1

a) What type of epithelium is shown above?  (Be Specific)  
b) Name one place in the body where this type of epithelium can be found?

2

a) What stain is being used to stain parts of the slide blue-green?  
b) What is this stain used to stain for?

3

A) What organ is this?  
B) What stage is it in?

4

a) Classify the connective tissue displayed in this slide.

5

a) What type of epithelium is shown above?  (Be Specific)  
b) Where in the body can this type of epithelium be found?
A. Identify the structure designated by the long arrow
B. What is the function of this structure?

A. What stain is being used?
B. What is this stain used for?

a) Identify the region indicated by the arrow.

a) Identify the region indicated by the arrow.

a) What type of epithelium is shown above? (Be Specific)

What are the structures labeled 2?

a) What structure is the RED ARROW pointing to?
What structure is indicated by the **BLACK** arrow?

a) What structure is indicated by the Number 4 arrow?  
b) This structure is PAS positive, true or false?

a) Classify the connective tissue displayed in this slide.

a) What structure is indicated by the Number 5?

A) What are (1) and (2) respectively?  
B) Is this cell euchromatic or heterochromatic?

a) Classify the connective tissue displayed in this slide.
What structure is indicated by the Number 3?

a) Zonula Occludens  
b) Zona Adherens  
c) Desmosome  
d) Gap Junction

A. Name the layer indicated by the arrow.

B. What type of cell is indicated by the arrow?

a) Identify this gland.  
b) Name a region of the body where this gland can be found?

a) What structure is indicated by the Number 5?

a) Identify the cells shown in this figure (BLACK ARROW).

In this electron micrograph, the arrow is pointing to what structure?
a) Identify the structures indicated by BLACK ARROW.

a) What type of epithelium is shown above? (Be Specific)
b) What structure is the BLUE CIRCLE pointing to?

a) Identify this gland.
b) What method of secretion does this gland use?

This slide is an enlargement of the picture at the lower left hand corner.
A) What are the black dots labeled 2 and the substances labeled 3, respectively?
B) Via which mechanism is each secreted?

a) Identify the cells indicated by the BLUE ARROWS.

A) What are the structures pointed by the green arrows?
B) What's their function?
a) Identify the gland from which this slide is from.

a) Identify the fibers displayed in this slide.

a) Identify the cell indicated by **Number 3**.

a) Identify the region indicated by the arrow.

A. Identify the layer labeled "2"
B. Identify the cell labeled by the arrow.

a) Identify the region indicated by **Number 6**.
a) Identify the structures indicated by **BLUE ARROW**.

A. In this electron micrograph, identify the structure pointed to be the arrows.

B. What is the function of the structure designated by the arrows?

a) Identify the vessel indicated by the **BLACK ARROW**.

a) Identify the fibers indicated by the **YELLOW ARROW**.

a) Classify the connective tissue displayed in this slide.

a) Identify the cell shown in this figure.
A) What stage is this slide representing?
B) What are the structures labeled 1 and 2 respectively?

a) Identify the cell shown in this figure.

a) Identify the cell indicated by the NUMBER 8.

a) What type of epithelium is shown above? (Be Specific)
b) What structure is the BLACK arrow pointing to?