

The function of this tissue is protection.

When finished with the slide, return it to its source.

2. OBTAIN A PREPARED SLIDE OF SIMPLE CUBOIDAL EPITHELIUM. The slide is labeled "Frog Kidney, section." Examine the slide and compare with the illustration and model. Move the slide until you locate a section through a tubule. You will recognize a tubule as a space with cells around it. What geometric shape describes these cells?

The function of these cells is absorption.

When finished with the slide, return it to its source.

3. OBTAIN A PREPARED SLIDE OF SIMPLE COLUMNAR EPITHELIUM. The slide is labeled "Frog Intestine, x.s." Examine the slide and compare with the illustration and model.

Focus on the innermost

layer that lines the intestine. The cells you are looking for are tall and narrow. With high power, identify cell membrane, cytoplasm, and nucleus. What geometric shape describes these cells?

One function of these cells is absorption.

This tissue also may be called **glandular epithelium** because it contains mucus-secreting cells.

Search among the columnar cells until you find a goblet cell. These cells are named for their shape. They produce a mucus that may appear on the slide as light blue. In the living animal, this mucus protects the lining from digestive enzymes.

When finished with the slide, return it to its source.

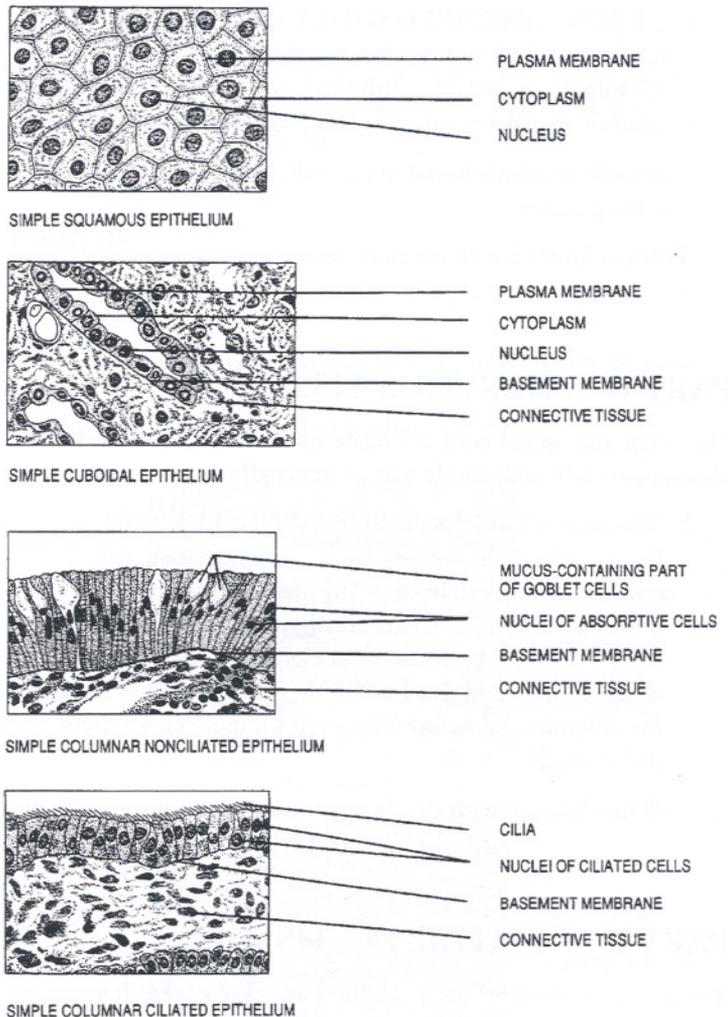


Figure 3. Epithelium, simple types.