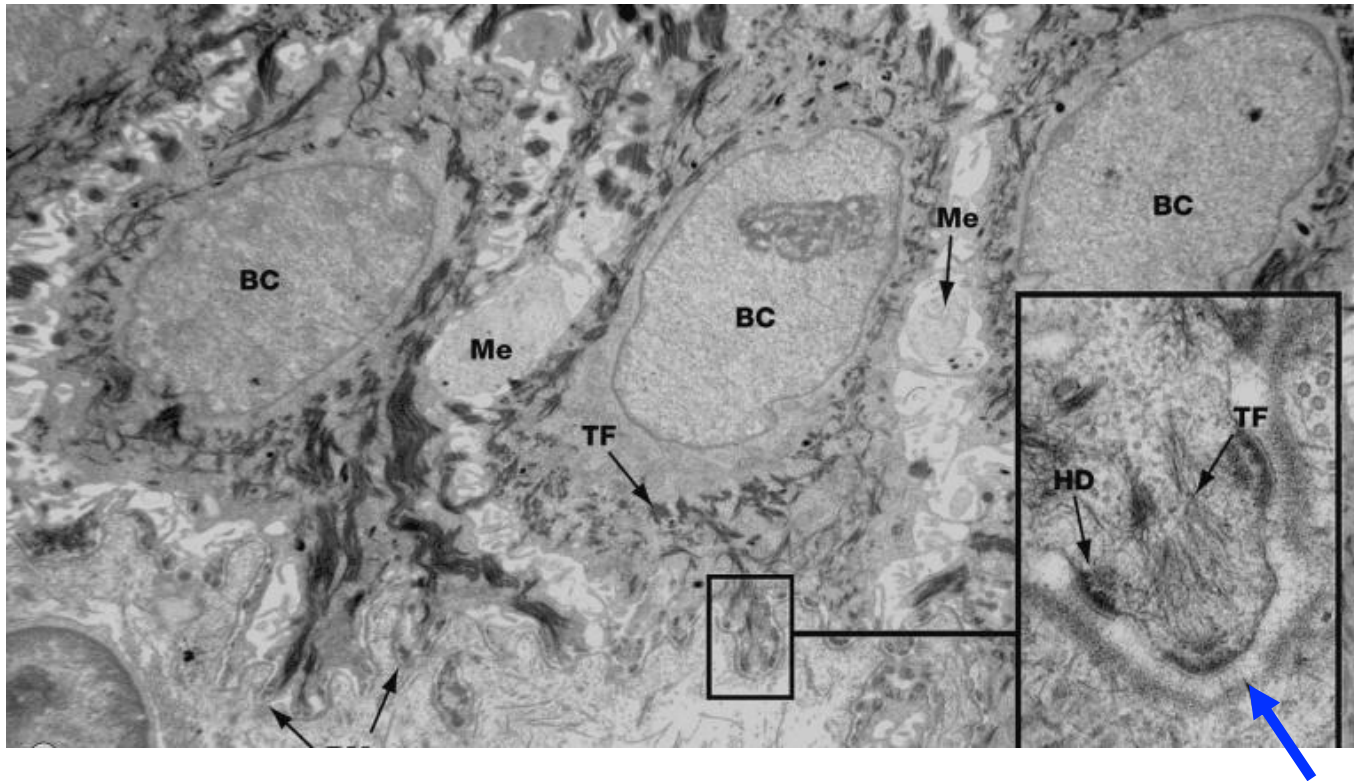
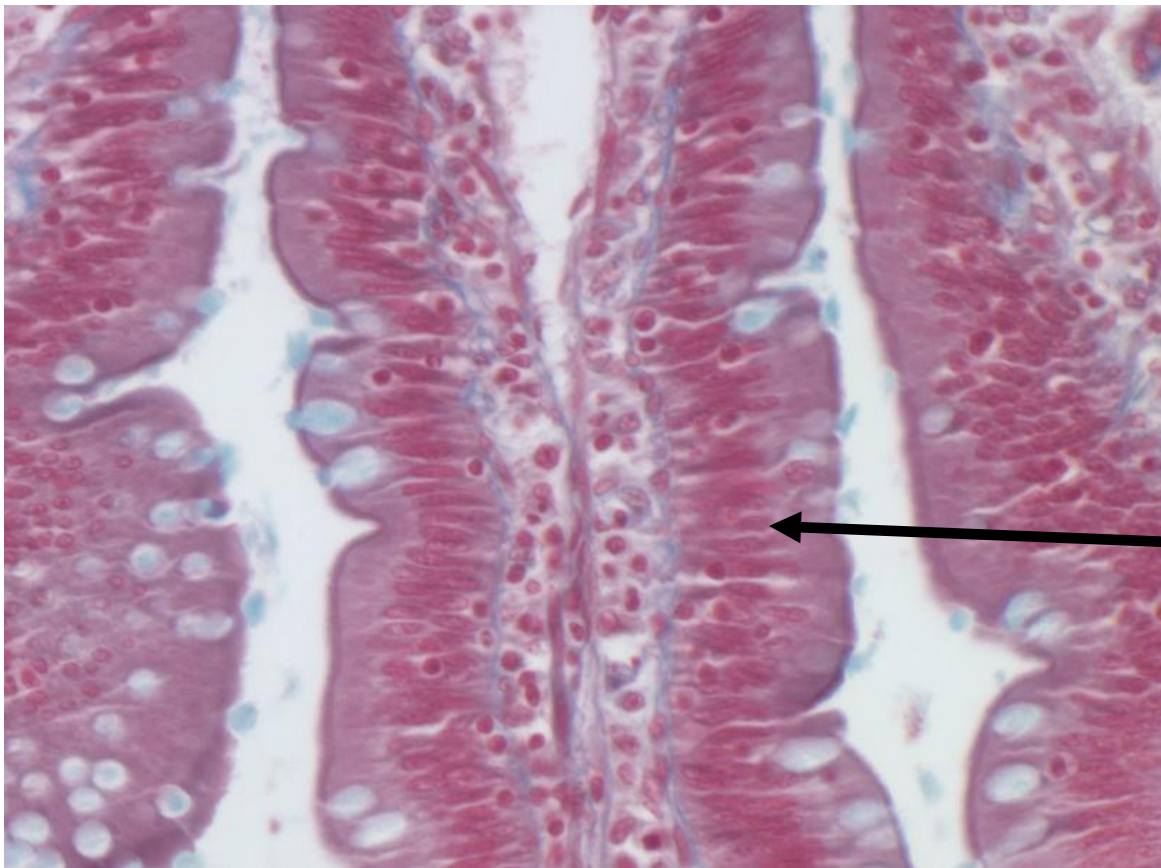


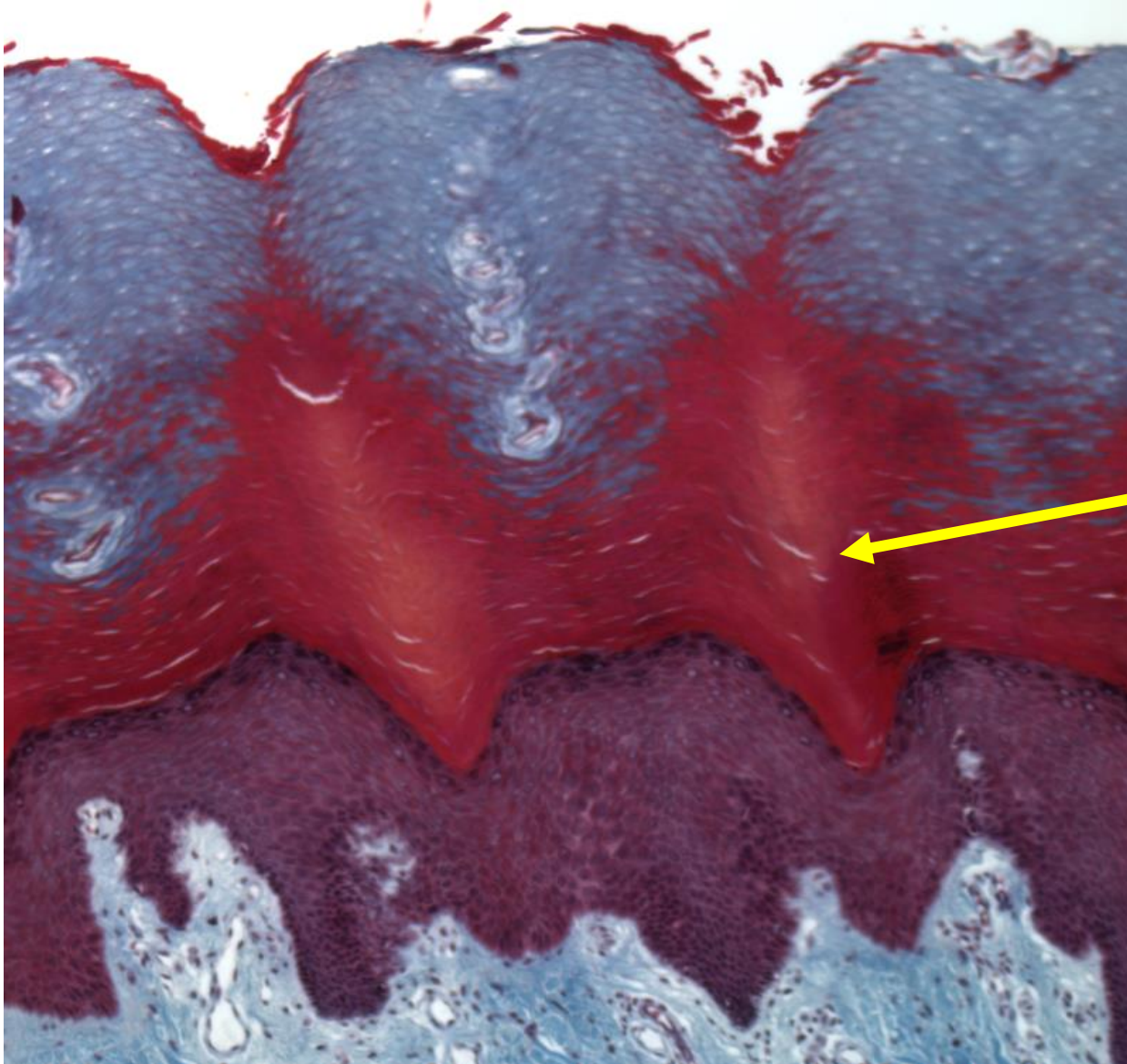
Quiz Section Test 1-AC
Answers are given in red.



1. Name the structure indicated by the arrow.
basement membrane

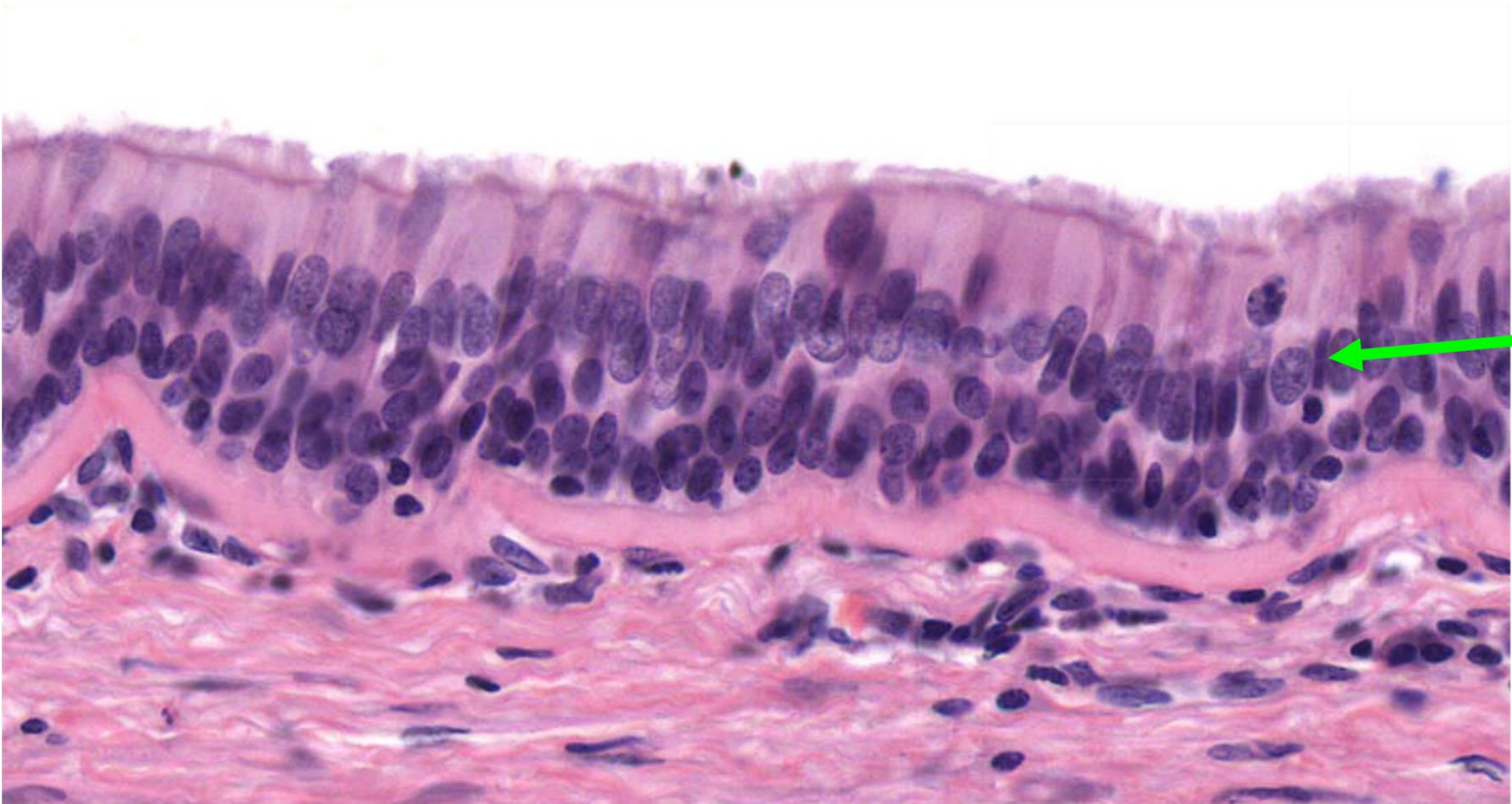


2. Which of the following is the type of epithelium shown?
- a. **simple columnar epithelium**
 - b. keratinized epithelium
 - c. simple squamous epithelium
 - d. pseudostratified ciliated epithelium
 - e. stratified squamous epithelium

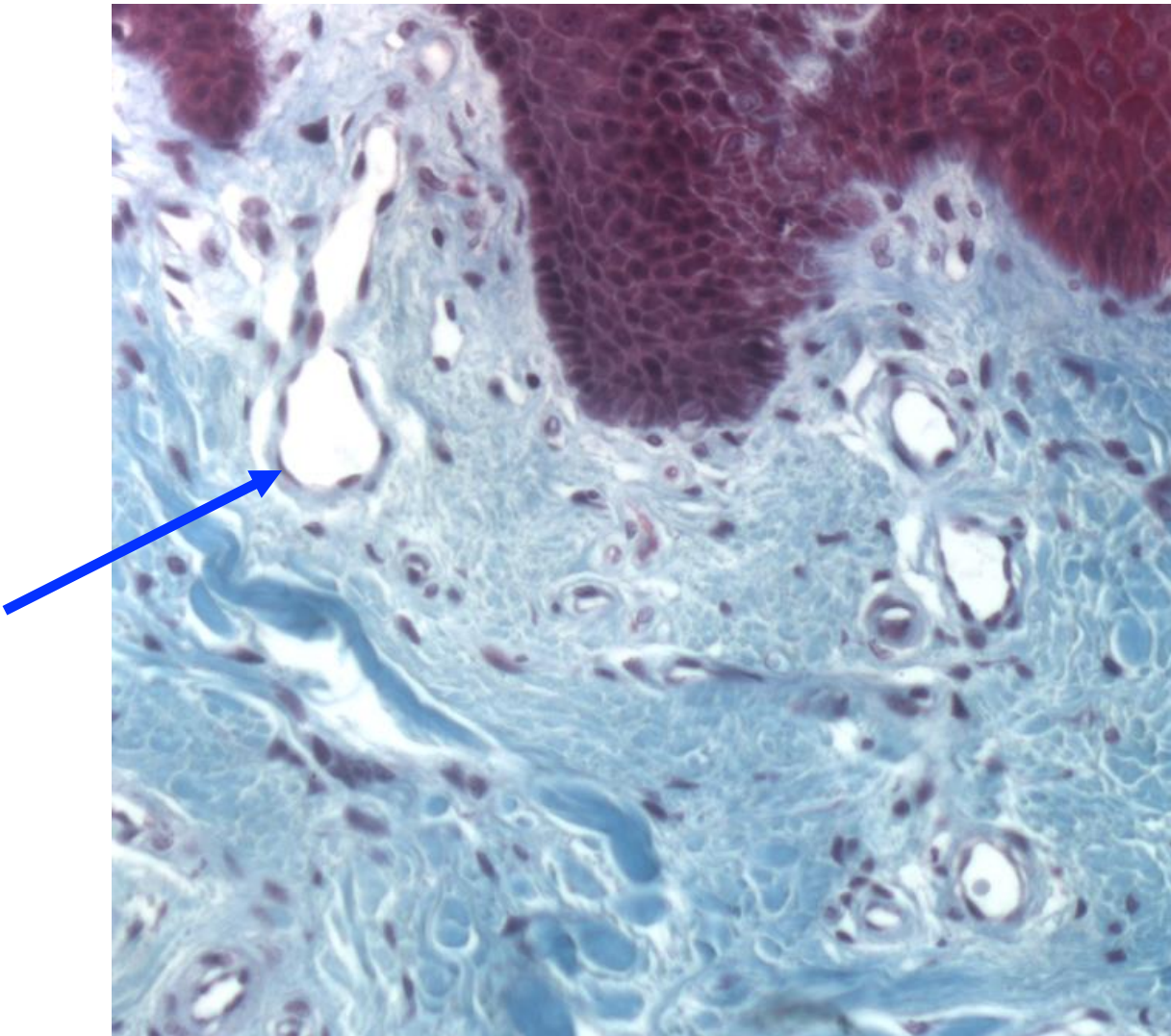


3. Name the protein found in the region indicated by the arrow.

keratin



4. Where would you find the epithelium shown in the picture?
- a. small intestine
 - b. lumen of a blood vessel
 - c. surface of skin
 - d. **airway of the respiratory tract**



5. What is the name for the simple squamous epithelium that lines all blood vessels?

endothelium

6. These structures separate the cell membranes of epithelial cells into apical and basolateral compartments.

a. microvilli

b. cilia

c. **tight junctions**

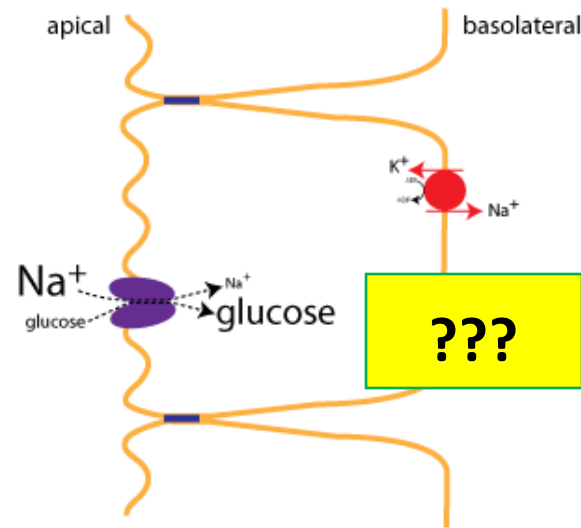
d. aquaporins

e. basement membranes

7. Fill in the blank. The CFTR channel opens when ATP binds and the protein is _____.

phosphorylated

Absorption of Glucose



8. Name the protein hidden by the yellow box.

glucose transporter

9. Cystic fibrosis is caused by a mutation in the protein CFTR. Which of the following describes the most direct effect of the mutant protein on airway epithelial cells?

- a. paralyzes cilia
- b. increases mucus secretion
- c. decreases mucus secretion
- d. decreases fluid secretion**
- e. decreases cell proliferation

10. Which of the following best describes a CFTR corrector?
- a. a drug that blocks a defective Cl⁻ channel
 - b. a drug that increases the function of a defective Cl⁻ channel
 - c. a drug that decreases mucus secretion in the lungs
 - d. a drug that increases mucus secretion in the lungs
 - e. a drug that increases the expression of CFTR on the cell surface