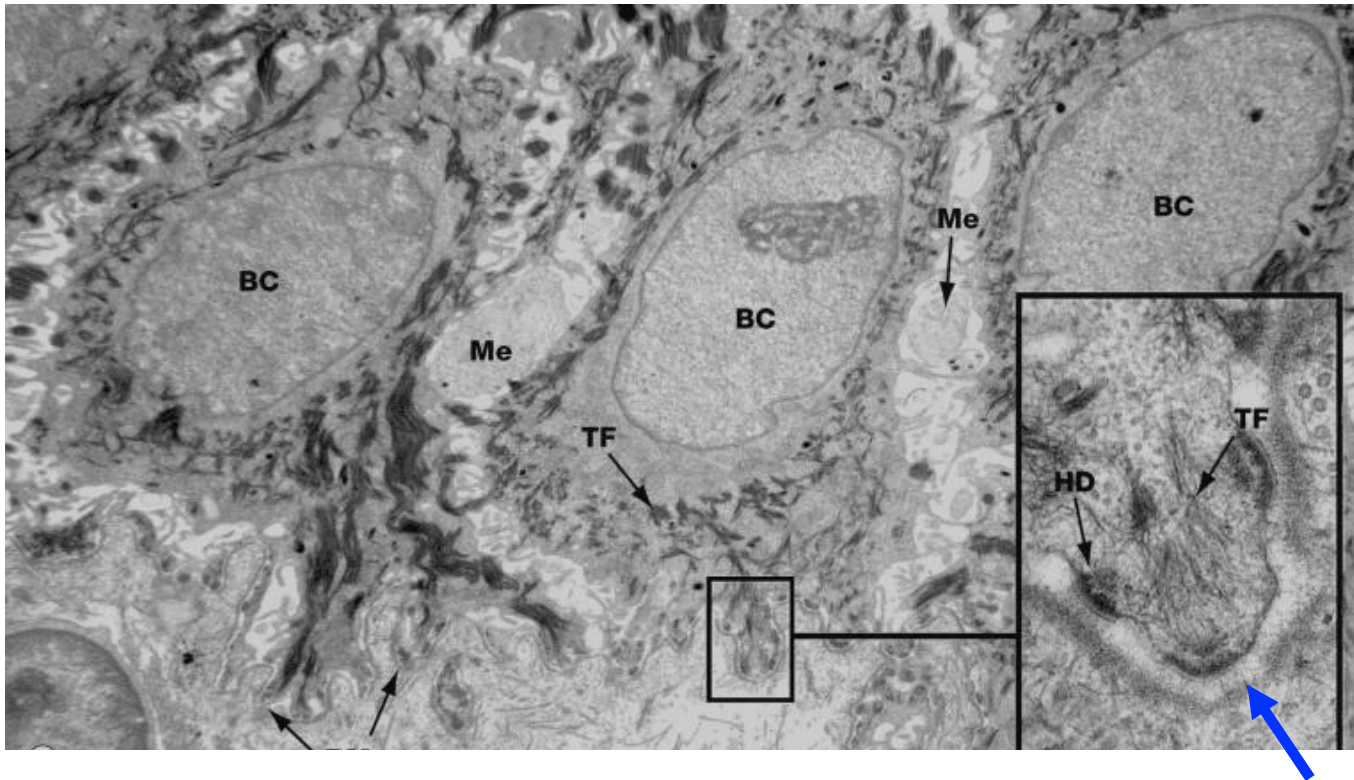
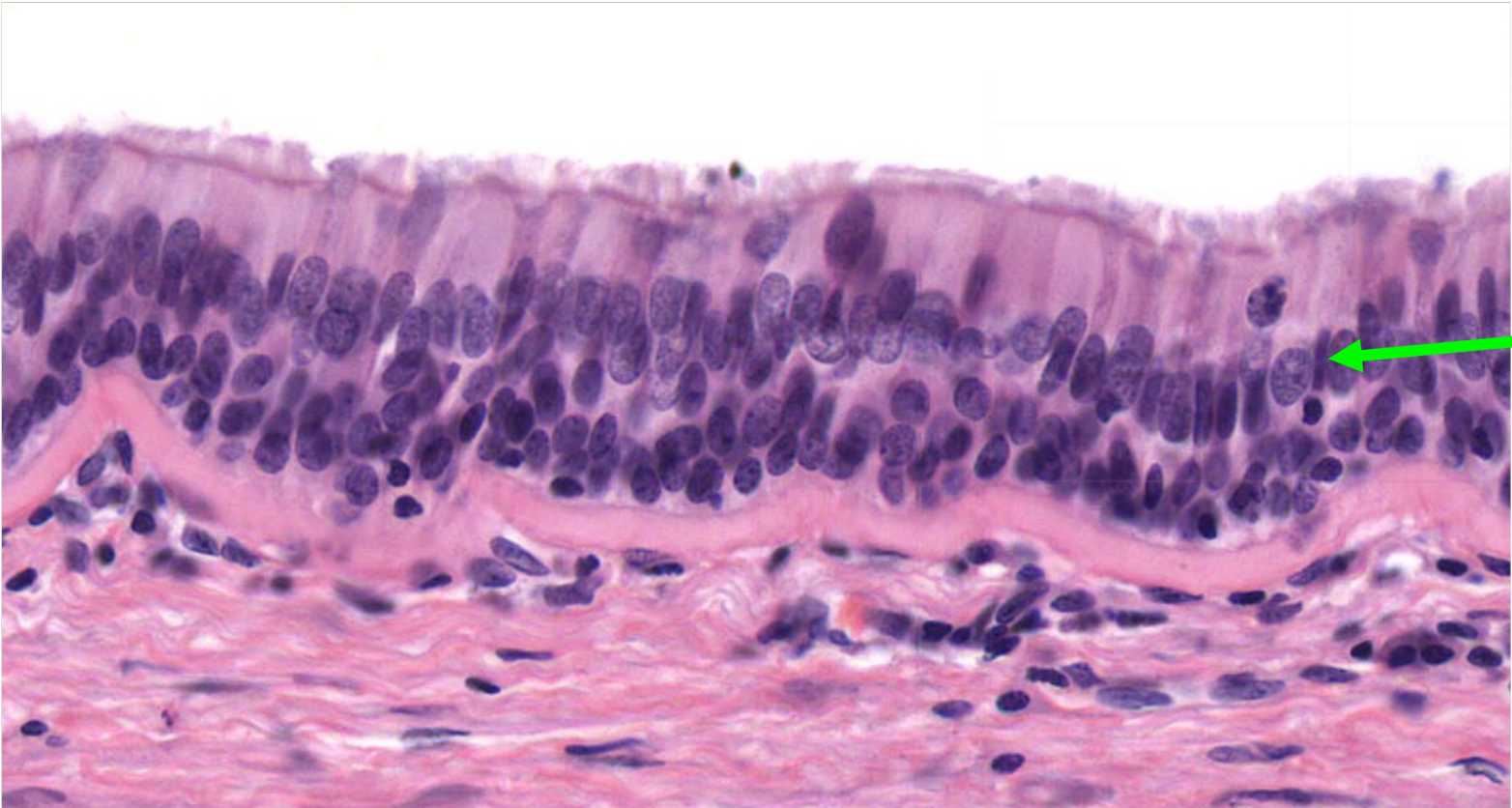


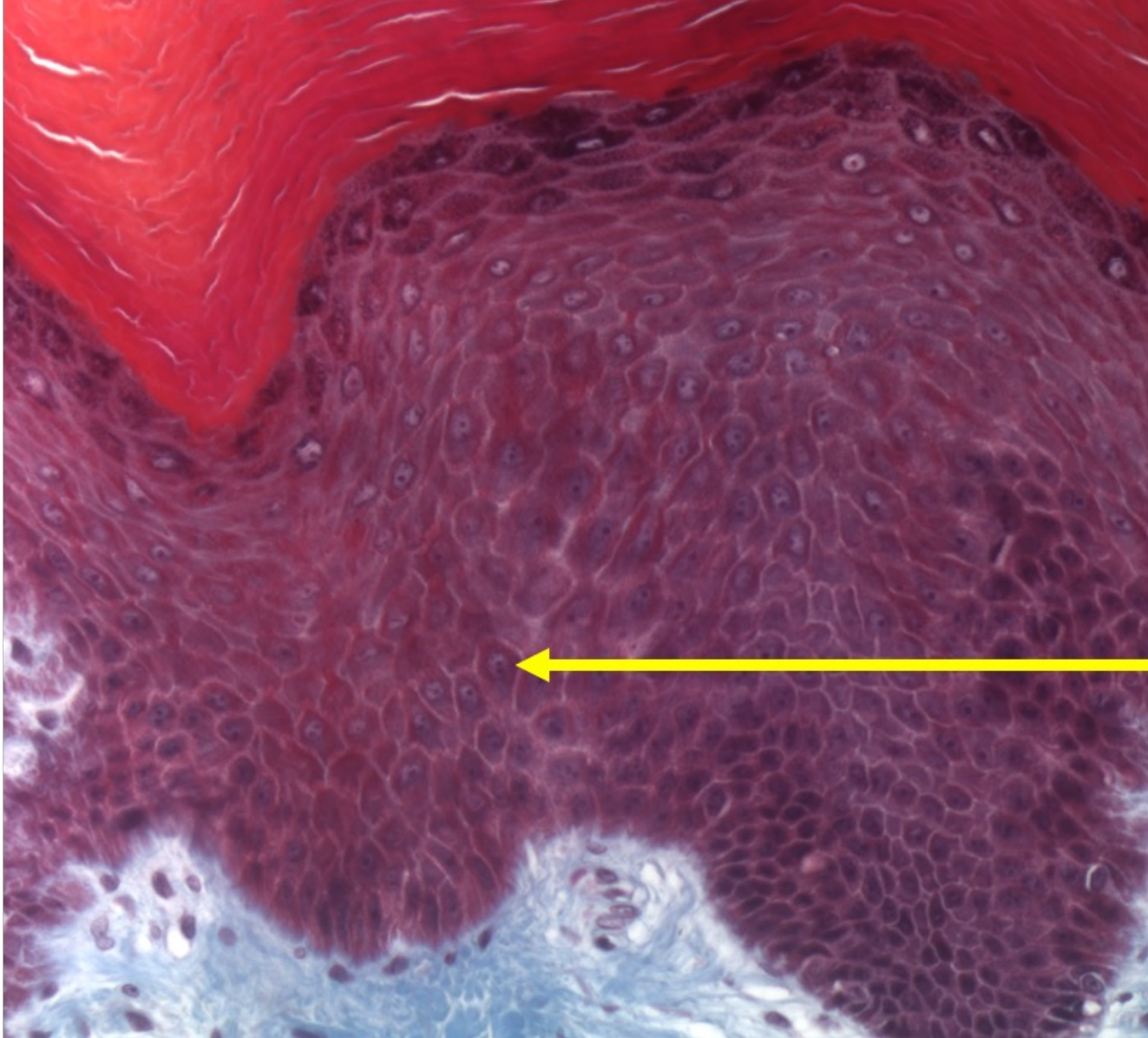
Quiz Section Test 1-AB
Answers are given in red.



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

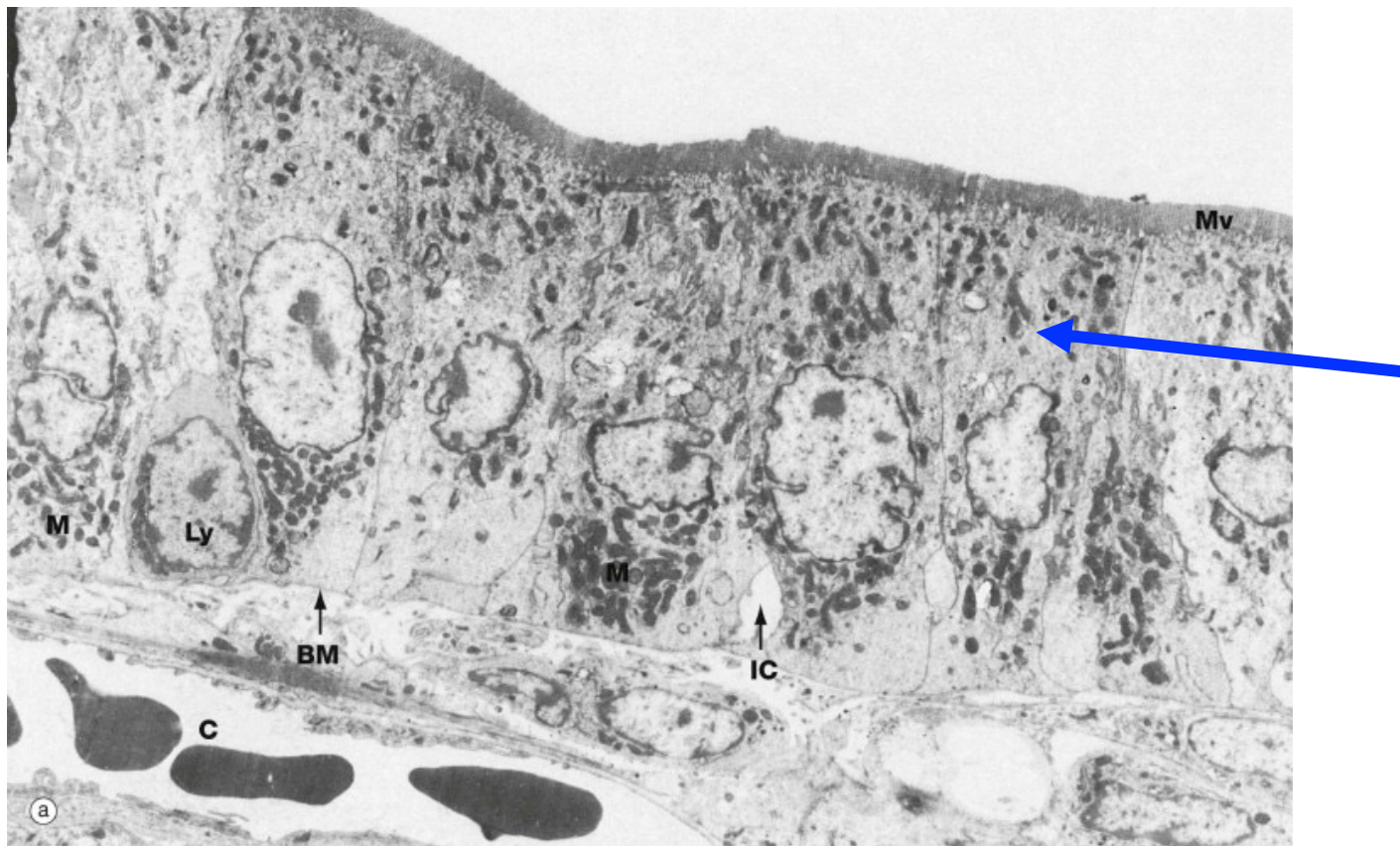


2. What type of epithelium is shown?
- a. simple squamous epithelium
 - b. stratified squamous epithelium
 - c. keratinized epithelium
 - d. **pseudostratified ciliated epithelium**
 - e. simple columnar epithelium



3. Name the cell indicated by the arrow.

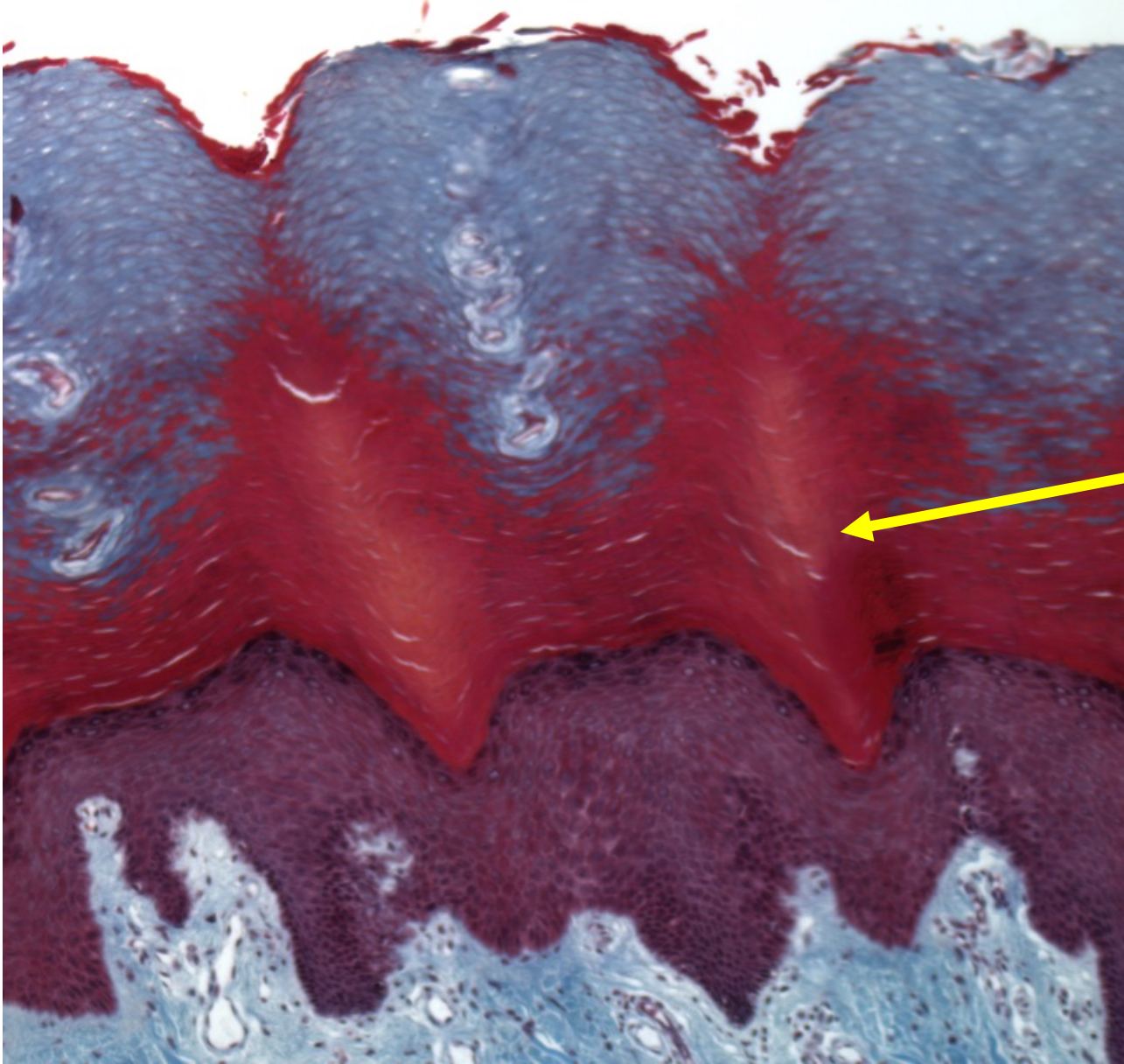
keratinocyte



4. Where would you find the epithelium shown above?
- a. **small intestine**
 - b. skin
 - c. lining a blood vessel
 - d. airways of the respiratory tract

5. Which of the following cells has microvilli?

- a. goblet cell
- b. enterocyte**
- c. airway epithelial cell
- d. endothelial cell
- e. keratinocyte



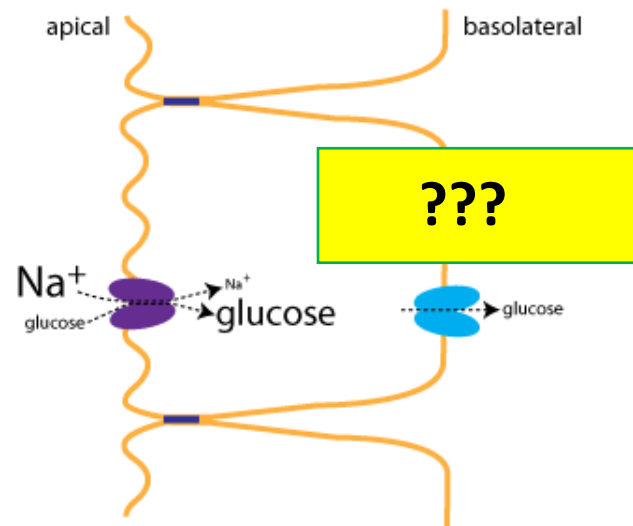
6. Name the protein found in the region indicated by the arrow.

keratin

7. Transport via this protein does not require ATP, either directly or indirectly. This is true for which of the following proteins?

- a. Na⁺/glucose cotransporter
- b. sodium-potassium pump
- c. CFTR
- d. glucose transporter

Absorption of Glucose



8. Name the protein hidden by the yellow box.

Na^+/K^+ ATPase

9. The rate-limiting and regulated step in fluid secretion by intestinal epithelial cells involves which of the following proteins?

- a. aquaporin (water channel)
- b. $\text{Na}^+/\text{K}^+/\text{2Cl}^-$ cotransporter
- c. Na^+/K^+ -ATPase
- d. Na^+ /glucose cotransporter
- e. **CFTR**

10. Which of the following best describes a CFTR potentiator?
- 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 decreases the expression of CFTR on the cell surface