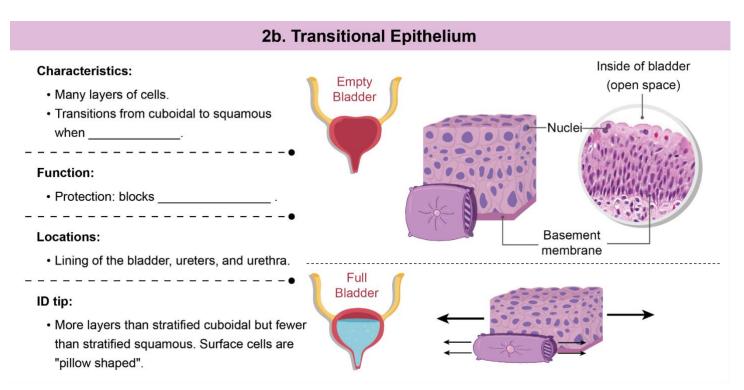
• ____ tissues are structurally categorized as _____ epithelial tissues.

2a. Stratified Squamous Epithelium Characteristics: Many layers of _____ cells. Open Function: space · Protection. Protein increases. toughness and prevents water loss. Locations: Keratinized: Nuclei · Unkeratinized: orifices near the skin (mouth, esophagus, anus, vagina). **Basement** ID tip: membrane Thick. Cells near apical surface are and may be flaking off. Cells near basement membrane not flat.



EXAMPLE: To students, stratified squamous epithelium and transitional epithelium tissues often look similar. Identify each tissue below and highlight the difference(s) between the tissue that helps you tell them apart.





PRACTICE: Before rubber was used in inflatable balls used in sports, people would inflate animal bladders to make the inner part of a ball. Which tissue type would make this possible?

- a) Stratified squamous epithelium.
- b) Transitional epithelium.

- c) Pseudostratified columnar epithelium.
- d) Simple squamous epithelium.

PRACTICE: When you look at another person, what do you see?

a) Stratified squamous epithelium.

c) Pseudostratified columnar epithelium.

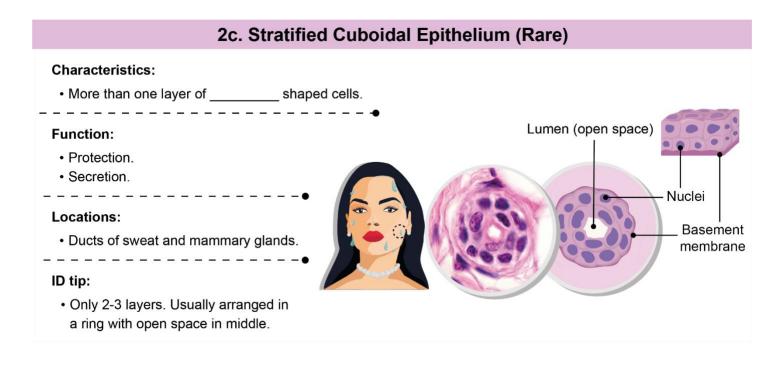
b) Transitional epithelium.

d) Simple squamous epithelium.

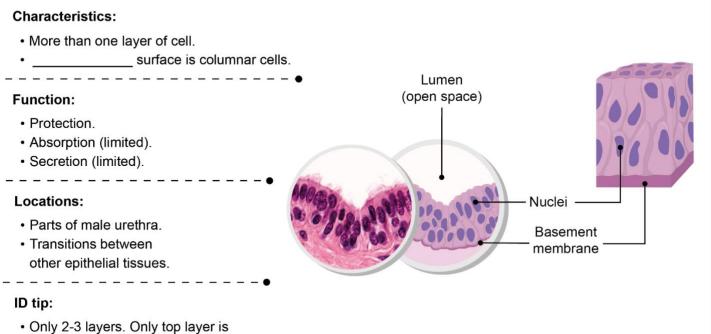
PRACTICE: What is different about the epithelium found inside the mouth and the epithelium found on the face?

- a) Inside the mouth has simple squamous epithelium while the face has stratified squamous epithelium.
- b) The epithelium inside the mouth has goblet cells, while the skin will not.
- c) The epithelium of the skin has a basement membrane, while the epithelium inside the mouth will not.
- d) The epithelium on the face has keratinized cells, while inside the mouth will not.

columnar.



2d. Stratified Columnar Epithelium (Rare)



PRACTICE: Which type of epithelial tissue has more than one cell shape in a single layer?	
a) Simple cuboidal epithelium.	c) Stratified squamous epithelium.
b) Simple columnar epithelium.	d) Pseudostratified columnar epithelium

PRACTICE: Which of the following functions is stratified squamous epithelial tissue best suited to?

c) Protection.

a) Rapid diffusion.

b) Absorption. d) Lining internal organs.