

9. _____ forms lining of digestive tract

10. _____ forms inner lining of urinary bladder

11. _____ has centrally located spherical nuclei

12. _____ cells commonly possess cilia

13. _____ nuclei located near basement membrane

14. _____ cells longer than wide

15. _____ forms lining of mouth

16. _____ forms lining of ducts in glands

List the characteristics of Epithelial tissue:

List three special structures which may be found on Columnar epithelium and give their functions:

1.
2.
3.

COMPLETION:

1. Write the three categories of epithelial tissue by shape:

2. Write the three categories of epithelial tissue by arrangement:

3. Write the name of the type of tissue by physiological state and give an example of where it is found.

4. Name the cells which secrete mucus and tell 2 locations where they are found:

5. Name the structures in intestinal epithelium which increase the surface area for absorption.

6. Name the structures which are many short, hair-like projections and tell 2 locations where they might be found:

7. List 2 functions of epithelial tissue which are impaired in patients who have severe burns:

<i>Simple Columnar Epithelium</i>	<i>Pseudostratified epithelium</i>
<i>Simple Cuboidal Epithelium</i>	<i>Transitional Epithelium</i>

MATCHING:

Column A

- A. Simple squamous epithelium
- B. Simple cuboidal epithelium
- C. Simple columnar epithelium
- D. Pseudostratified columnar epithelium
- E. Stratified squamous epithelium
- F. transitional epithelium

Column B

- 1. _____ consists of many layers of cells
- 2. _____ functions to move sex cells
- 4. _____ single layer of flattened cells
- 5. _____ nuclei located at different levels within cells
- 6. _____ forms walls of capillaries
- 7. _____ forms linings of respiratory passages
- 8. _____ shape depends on physiological state

BIOLOGY 14
HUMAN ANATOMY

LABORATORY EXERCISE 4

Tissues

Ex. 4

PROCEDURE:

1. Review the sections on “Epithelial Tissues” and “Integumentary System” in your textbook.
2. Review the Characteristics of Epithelial Tissues from your Lecture notes.
3. Examine the available slides of Epithelial and Integument tissues and **sketch and label** each one below.

<i>Simple Squamous Epithelium (Buccal Cells)</i>	<i>Stratified Squamous Epithelium (skin)</i>
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