2.1: Epithelium

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All organs of the body are composed of combinations of the four basic tissues, epithelial, connective, muscular and nervous. This chapter will cover epithelium.

Chapter Learning Objectives

By the end of this chapter, you should be able to do the following:

• Describe the common features of epithelia.
• Classify the various types of epithelia using the correct terminology.
• Discuss the organization and functions of the intercellular junctions.
• Describe the types, organization and functions of glands.
• Based on the function of the various epithelial cells, predict the intracellular components and morphology of each epithelial cell type.
Review Questions

By the end of this chapter, you should be able to answer the following:

- What are the functions of epithelium?
- What are the common features between epithelial types?
- What does basolateral mean?
- How is epithelium classified in terms of cell layers?
- What are the differences between glandular and non-glandular epithelium?
- What are some modifications of epithelial cells and what are their functions?
- What is the difference between a desmosome and hemidesmosome?
- How is epithelium classified according to cell shape?
- What is cornification?