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Crash Course ANATOMY & PHYSIOLOGY 48 Episode Series Bundle

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Crash Course Anatomy & Physiology #3: Tissues – Part 2 – Epithelial Tissue

Name: _____ Date: _____

You can access the video here → https://youtu.be/3Ue_RJm-Yg?list=PL4058Kev6fEKu

- _____ tissue lines, covers, and organizes your body, creating internal and external boundaries.
- The two types of epithelial tissue are proper epithelium and _____ epithelium.
- Proper epithelium forms your skin and also lines your _____ and internal cavities.
- Epithelial tissues are _____, meaning they don't have a blood supply.
- The three basic shapes of epithelial cells are squamous, _____, and columnar.
- _____ cells are flat and scale-like, useful for absorption and transport.
- _____ epithelial tissue has only one layer of cells.
- _____ epithelial tissue has multiple layers of cells stacked on top of each other.
- _____ epithelium appears multilayered but is actually just one layer with irregular shapes.
- Epithelial tissue is _____, meaning it has distinct apical and basal sides.
- The _____ side of an epithelial cell is attached to the basement membrane.
- The _____ membrane is made of collagen fibers and anchors the epithelium to connective tissue.
- _____ glands release substances directly into the bloodstream.
- _____ glands secrete substances into ducts that lead to epithelial surfaces.
- Epithelial tissues are often _____ permeable, allowing selective movement of substances.

Crash Course Anatomy & Physiology #3: Tissues – Part 2 Epithelial Tissue KEY

- Epithelial** tissue lines, covers, and organizes your body, creating internal and external boundaries.
- The two types of epithelial tissue are proper epithelium and **glandular** epithelium.
- Proper epithelium forms your skin and also lines your **organs** and internal cavities.
- Epithelial tissues are **avascular**, meaning they don't have a blood supply.
- The three basic shapes of epithelial cells are squamous, **cuboidal**, and columnar.
- Squamous** cells are flat and scale-like, useful for absorption and transport.
- Simple** epithelial tissue has only one layer of cells.
- Stratified** epithelial tissue has multiple layers of cells stacked on top of each other.
- Pseudostratified** epithelium appears multilayered but is actually just one layer with irregular shapes.
- Epithelial tissue is **polar**, meaning it has distinct apical and basal sides.
- The **basal** side of an epithelial cell is attached to the basement membrane.
- The **basement** membrane is made of collagen fibers and anchors the epithelium to connective tissue.
- Endocrine** glands release substances directly into the bloodstream.
- Exocrine** glands secrete substances into ducts that lead to epithelial surfaces.
- Epithelial tissues are often **selectively** permeable, allowing selective movement of substances.

15 Questions

Answer Key Included

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