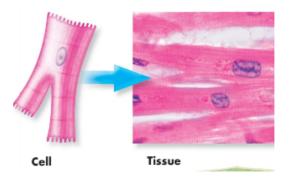


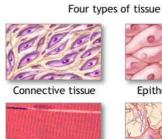
Cells rarely work alone. Instead, they often work together in tissues.



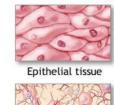
Tissues are a group of the same kind of cells that work together to do the same job.

For example: Muscle cells group in bundles to make



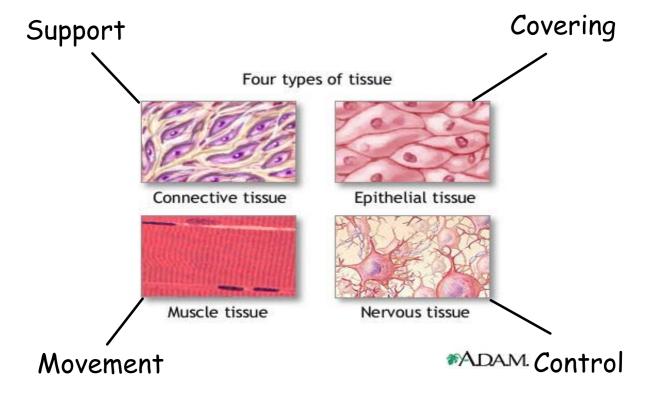


Muscle tissue



Nervous tissue

*Adam.



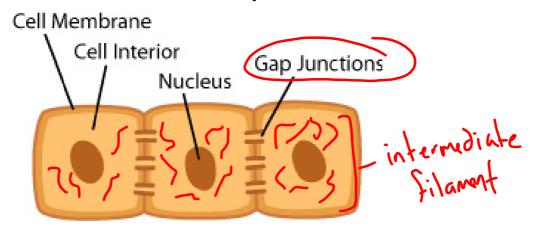
Epithelial Cells and Tissues

Root	Meaning	Example
epitheli/o	skin; epithelium	epithelial
Suffix	Meaning	Example
-al	pertaining to	epithelial

Primary Functions

protection, absorption, filtration, secretion

Generalized Epithelial Cell



Structure

Function

nucleus

cell "brain"

stackable shape

pack cells closely together

intermediate filaments

resist tearing

gap junction

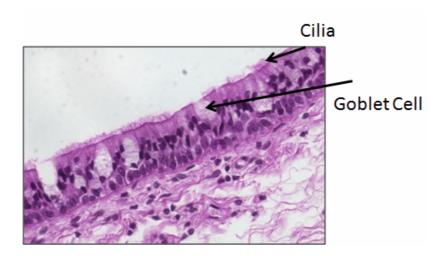
exchange nutrients

Specialized Cellular Structures

Structure: Cilia

Function: move particles (ex: egg through fallopian tube)

Location: Pseudostratified epithelium

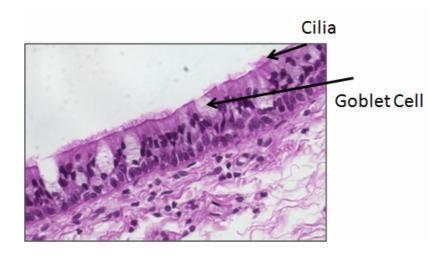


Specialized Cellular Structures

Structure: Goblet Cell

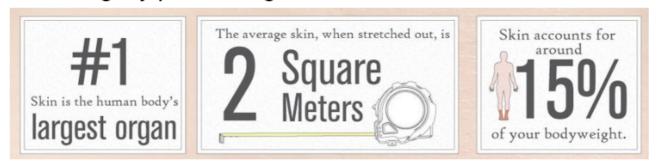
Function: secrete mucus

Location: Pseudostratified epithelium



Epithelial Tissue

- Covers all body surfaces both inside and out.
- Main glandular (glands) tissue.
- Attached to underlying connective tissue at the basement membrane
- Usually has no vascular tissue blood supply
- Cells reproduce rapidly, results in rapid healing.
- Cells tightly packed together



If a girl weighs 100 pounds. How much of her weight is skin?

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https://www.youtube.com/watch?v=eXO_ApjKPaI

