Epithelial Tissues

Stratified squamous Stratified cuboidal Pseudostratified columnar

 A	Histology is the branch of anatomy that		
Four types of tissue Example: cardiac, muscle, or nerves Tissue - covers body surfaces and organs, lines body cavities Tissue - binds and supports body parts Tissue - contracts producing movement Tissue - responds to stimuli and transmits nerve impulses Epithelial Tissue Readily divides (mitosis) producing new cells to replace old or damaged cells Lacks blood vessels Function: Externally - body from drying out, injury, and bacterial invasion Internally - protects, sweeps up impurities, mucus, Muscle tissue Revous tissue Nervous tissue Nervous tissue Nervous tissue Transitional Types of Epithelial Tissue body from drying out, injury, and bacterial invasion mucus, Types of cells Epithelial Tissue - composed of a corporate attached to underlying tissue by the Types of Epithelian Types of Epithelial Tissues 1] Epithelian E			
Function * Example: cardiac, muscle, or nerves 4 Types of Tissues Tissue - covers body surfaces and organs, lines body cavities Tissue - binds and supports body parts Tissue - contracts producing movement Tissue - responds to stimuli and transmits nerve impulses Epithelial Tissue Readily divides (mitosis) producing new cells to replace old or damaged cells Lacks blood vessels Function: Externally - body from drying out, injury, and bacterial invasion Tinternally - protects, sweeps up impurities, mucus, Nucleus surple Prese Covers and Has a free surface Other surface attached to underlying tissue by the Epithelial Tissue - composed of a of cells Epithelial Tissue - composed of of cell Types of Epithelian Types of Epithelian Types of Epithelian Types of Epithelian Epithelian Epithelian Epithelian Types of Epithelian	What is a tissue?		
* Example: cardiac, muscle, or nerves * Tissue - covers body surfaces and organs, lines body cavities * Tissue - binds and supports body parts * Tissue - contracts producing movement * Tissue - responds to stimuli and transmits nerve impulses * Readily divides (mitosis) producing new cells to replace old or damaged cells * Lacks blood vessels * Function: - Externally - body from drying out, injury, and bacterial invasion mucus, - Internally - protects, sweeps up impurities, mucus, * Also a free surface - Other surface attached to underlying tissue by the * Epithelial Tissue - composed of of cells * Epithelial Tissue - composed of of cells * Types of Epithelial * Types of Epithelial * Types of Epithelial * Types of Epithelial * Tissues 1		Four type	s of tissue
Tissue – covers body surfaces and organs, lines body cavities Tissue – binds and supports body parts Tissue – contracts producing movement Tissue – responds to stimuli and transmits nerve impulses Epithelial Tissue Readily divides (mitosis) producing new cells to replace old or damaged cells Lacks blood vessels Function: Externally – body from drying out, injury, and bacterial invasion Internally – protects, sweeps up impurities, mucus, Nucleus Simple Surface - Other surface attached to underlying tissue by the Epithelial Tissue – composed of of cells Epithelial Tissue – composed of of cell Types of Epithelium Simple squamous Simple cubodial Simple cubodial Simple cubodial Simple cubodial Simple squamous Simple cubodial Simple cubodial Simple cubodial Simple and stratified 21		100000	7000
Tissue – binds and supports body parts Tissue – contracts producing movement Tissue – responds to stimuli and transmits nerve impulses Epithelial Tissue Readily divides (mitosis) producing new cells to replace old or damaged cells Lacks blood vessels Function: Externally – body from drying out, injury, and bacterial invasion - Internally – protects, sweeps up impurities, mucus, Nucleus Simple Surface - Other surface attached to underlying tissue by the Epithelial Tissue – composed of a of cells Types of Epithelium Types of Epithelial Tissues 1] Epitheliam: simple and stratified Imple squamous Simple cubodal Simple cubodal Simple columnar Types of Epithelial Tissues 1] Epithelium: simple and stratified 2] Epithelium: simple and stratified 2] Epithelium: Simple cubodal		000	
Tissue – contracts producing movement Tissue – responds to stimuli and Transmits nerve impulses Epithelial Tissue Readily divides (mitosis) producing new cells to replace old or damaged cells Lacks blood vessels Function: - Externally – body from drying out, injury, and bacterial invasion - Internally – protects, sweeps up impurities, mucus, Internally – protects, sweeps up impurities, and - Has a free surface - Other surface attached to underlying tissue by the Epithelial Tissue – composed of a for cells Epithelial Tissue – composed of a simple cubodal Types of Epitheliam Types of Epitheliam Types of Epithelial Tissues 1] Epithelial Tissues 1] Epithelial Tissues 2] Epithelial Tissues 2] Epithelial Tissues 3] Epitheliam	Tissue - binds and supports body	Connective tissue	Epithelial tissue
Tissue - responds to stimuli and huscle tissue Transmits nerve impulses Final Tissue Readily divides (mitosis) producing new cells to replace old or damaged cells Lacks blood vessels Function: - Externally - body from drying out, injury, and bacterial invasion - Internally - protects, sweeps up impurities, mucus, free Surface - Other surface attached to underlying tissue by the Fire Surface of cells Epithelial Tissue - composed of a of cells Types of Epithelium Simple squamous Simple cuboidal Transitional Types of Epithelial Tissues 1] Epithelial Tissues 1] Epithelial Tissues 1] Epithelial Tissues 2] Epithelial Tissues 2] Epithelial Tissues 3] Epitheliam Fighteliam Fightel	Tissue – contracts producing		
### Properties Types of Epithelium Types		Muscle tissue	Nervous tissue
Readily divides (mitosis) producing new cells to replace old or damaged cells Lacks blood vessels Function: - Externally body from drying out, injury, and bacterial invasion - Internally - protects, sweeps up impurities, mucus, - Has a free surface - Other surface attached to underlying tissue by the Epithelial Tissue - composed of a	transmits nerve impulses	Musete tissue	reirous cissue
Readily divides (mitosis) producing new cells to replace old or damaged cells Lacks blood vessels Function: - Externally body from drying out, injury, and bacterial invasion - Internally - protects, sweeps up impurities, mucus, Nucleus Simple Surface - Covers and Has a free surface - Other surface attached to underlying tissue by the Epithelial Tissue - composed of a of cells Epithelial Tissue - composed of of cell Types of Epithelium Types of Epithelium Simple cuboidal Simple columnar Simple squamous Simple cuboidal Simple columnar Types of Epithelium Epithelium Epithelium Epithelium Epithelium Epithelium Epithelium Epithelium Epithelium	Epithelial Tissue		
## Epithelial Tissue - composed of a of cells ## Epithelial Tissue - composed of a Stratified cuboidal squamous ## Types of Epithelium Types of Epithelium Types of Epithelial Tissues	Function: - Externally body from dryin - Internally - protects, sweeps up impurities, Nucleus Simple Surface	and	
Epithelial Tissue – composed of a of cells Epithelial Tissue – composed of of cell Types of Epithelium Types of Epithelial Tissues I] Epithelial Tissues I] Epithelial Tissues I] Simple cuboidal Simple columnar Epithelium: Simple and stratified 2] Epithelium Epithelium 4] Epithelium Epithelium Epithelium Epithelium Epithelium Epithelium Epithelium Epithelium	Basement		Simple cuboidal
Epithelial Tissue - composed of of cell Types of Epithelium Types of Epithelial Tissues Transitional Simple cuboidal Simple columnar Simple and stratified	·		
Transitional Simple cuboidal Simple columnar Simple and stratified 2] Epithelium 3] Epithelium 4] Epithelium Epithelium Epithelium	Epithelial Tissue - composed		
Transitional Simple squamous Simple cuboidal Simple columnar Simple and stratified 2] Epithelium 2] Epithelium 4] Epithelium Epithelium Epithelium	Types of Epithelium	unas of Enithalial	Tissues
2] Epithelium 3] Epithelium 4] Epithelium Epithelium Epithelium	Simple couperus Simple subsidel		
Enith clium	2]	· 	•
	In the state of th		•

Squamous Epithelium

*

2 types of squamous epithelium:



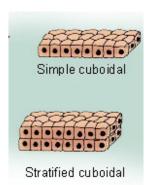
	Epithelium
- Function: secretion,	, and filtration
- Location: lines the lungs, blood	vessels and heart
_	Epithelium



Stratified squamous



- Location: outer layer of skin, lining the various orifices of the body



Cuboidal Epithelium

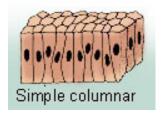
*	Epithelium:
*	attached to a basement membrane Epithelum:

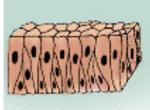
Location	Function
Glands	
Kidney tubules	

Simple Columnar Epithelium

Composed of ______ of the cell

Location	Function
Digestive organ	
Uterine tubes	





Pseudostratified

Pseudostratified Epithelium

*	Cells	due to irregularly placed
	nuclei but each cell touches the	
*	May contain aids in	of
*	particles Function: protection, secretion, movemen	t of mucus and sex cells

Location: tract,	_ trac
------------------	--------

Transitional Epithelium

* Tissue the	
--------------	--

*	Found in _			need to	
*	Location: u	urinary blado	der, ureters,	urethra	

