

CSM Anatomy Tissues, Integument Lab Guide

For each tissue: **identify** it, **list** its characteristics, **name** locations in the body where it can be found, **describe** its function. Numbers in parenthesis are slide numbers in our slide sets where this tissue is found.

TISSUES

A. EPITHELIAL

- simple cuboidal (6, 34)
- simple columnar (3, 5, 21)
- keratinized stratified squamous (2-thin, 43- thick)
- nonkeratinized stratified squamous (44)
- pseudostratified ciliated columnar (4, 41)
- goblet cells in columnar epith.(3)
- transitional epithelium (7)
- simple squamous (29)

B. CONNECTIVE

- areolar (8), adipose (2, 43)
- reticular (27, 28)
- dense regular (9)
- dense irregular (2, 43)

cartilage - lacunae,
chondrocytes

- elastic (11)
- hyaline (4)
- fibro (10)

bone - in skeletal system lab

SKIN (2 – thin skin, 43 – thick skin)

epidermis

stratum corneum
s. lucidum
s. granulosum
s. spinosum
s. basale

dermis

papillary layer
reticular layer

hypodermis

tactile/Meissners corpuscles (model only)
lamellated/Pacinian corpuscles –best in slide 43
eccrine/merocrine sweat gland –best in slide 43
hair structures – in thin skin slide (2)

hair follicle
hair root
hair bulb
hair/dermal papilla
arrector pili
hair root plexus/ free nerve ending
(drawing only)
sebaceous gland

The biology stockroom has CD's on histology you can check out overnight. Check with Kim (our lab technician) for availability. Try this website for histology quizzes and other review activities. *Better book mark it too!*

<http://www.msjensen.gen.umn.edu/webanatomy/>