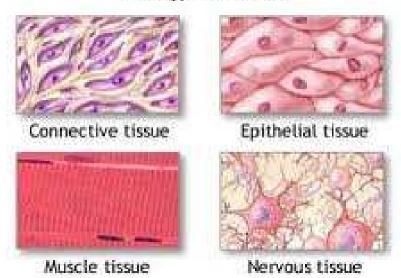
mswogy. The study of fissue

| Tissues: | a group of similar cells that form the |
|----------|--|
| | same function |

(Four main types)

- 1. epithelium
- 2. connective tissue
- 3. muscle
- 4. <u>nervous</u>

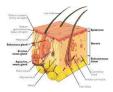
Four types of tissue





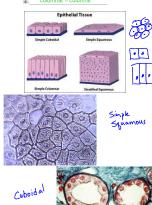
1. Epithelium

- a. Functions:
- i. cover and protect
- ii. secrete and absorb
- b. Where found:
 - i. <u>covers internal and external surface</u>
 - ii. glands





- c. Shape of epithelial cells:
- i. squamous = flat
- ii. ___cubiodal = cubes
- iii. columnar = columns







- d. Arrangement of epithelial cells:
 - i. simple: 1 layer
 - ii. ___stratified: more than 1 layer

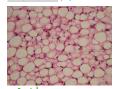


2. Connective Tissue

| a. | Functions: | |
|----|-------------------------------------|------------|
| | i. Support & <u>framework</u> | |
| | ii. Joins /Connects tis | ssues |
| | iii. Stores energy | & minerals |
| | iv. Fights disease/infection | |
| | v. Helps to <u>repair tissue</u> | |
| | vi. Cushions | |
| | vii. Transports | |
| b. | Most abundant tissue type (by mass) | |
| c. | Lots of intercellular space: matr | rix |



i. Adipose (fat)



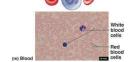
ii. Cartilage (hyaline, elastic, fibrous)



iii. Osseous (bone)



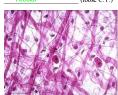




v. Fibrous (dense C.T.)



vi. Areolar (loose C.T.)











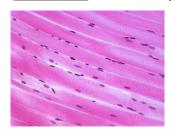






3. Muscle Tissue

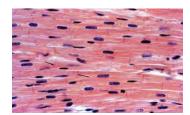
- a. Function: provide movement
- b. Specialized to: shorten/contract
- c. Three types
 - i. Skeletal = striated = voluntary

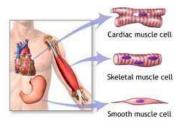


ii. Smooth = visceral = involuntary

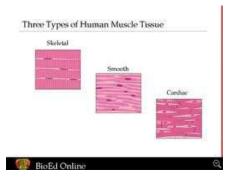


iii. Cardiac = heart





#ADAM



4. Nervous Tissue

- a. Function: transmit electrochemical signals
- b. Found in <u>brain</u>, <u>spinal chord</u>,

 and <u>peripheral nerves</u>
- c. Neuron = nerve cell
- d. Neuroglial = cells that take care of nerve

