

(702) Match each of the listed cell types to their function from the drop-down menu:

- 1) Myocytes =>
- 2) Macrophages =>
- 3) Oligodendrocytes =>
- 4) Mast cells =>
- 5) Schwann cells =>

Mast cell: type of white blood cell, involved in immune response
allergic reaction

(701) Match each of the listed cellular structures to the corresponding cell from the drop-down menu:

- 1) Nissl bodies =>
- 2) Intercalated discs =>
- 3) Mucin granules =>
- 4) Cytokeratin filaments =>
- 5) Myosin filaments =>

Muscle tissue
① skeletal
② smooth
③ cardiac

(700) Match the listed structures and their typical localization:

Neurosecretory nerve endings from hypothalamus =>

Meissner's corpuscles =>

Motor end plates =>

Pacinian corpuscles =>

Free nerve endings =>

1) 15-18 μm =>

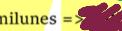
2) 2-4 μm =>

3) 120-150 μm =>

4) 50-70 μm =>

5) 10-12 μm =>

(698) Match each of the listed structures to the corresponding tissue from the drop-down menu, in which they are observed:

- 1) Collagen type I => 
- 2) Myelin => 
- 3) Collagen type II => 
- 4) Giannuzzi's demilunes => 
- 5) Collagen type IV => 

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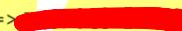
- Fibroblasts => 
Osteoclasts => 
Microglia => 

Chondrocytes - Erythrocytes -> 

(322) Match each of the listed cellular structures to the corresponding cell from the drop-down menu:

- Dense bodies => 
Hemoglobin => 
Lysosomes => 
Sacromeres => 
Cilia => 

(321) Match the listed structures and the tissue they are typically made of:

- Tendon and ligament => 
Costal cartilage => 
Intervertebral disc => 
Basement membrane => 
Epiglottis => 

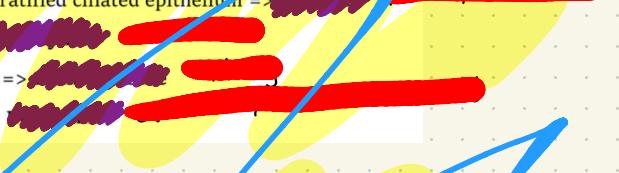
(263) Match the germ layers and their respective tissue derivatives:

- Intermediate mesoderm => 
Neuroectoderm => 
Surface ectoderm => 
Paraxial mesoderm => 
Endoderm => 

(234) Matching question:

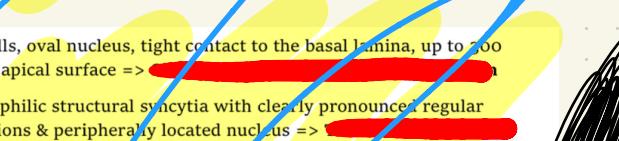
Bronch border => 

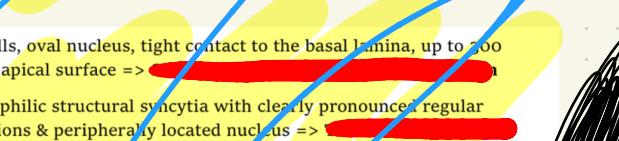
Simple pseudos stratified ciliated epithelium => 

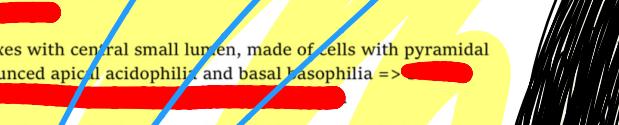
Stereocilia => 

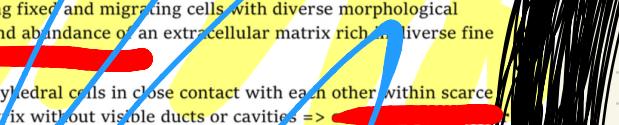
Basal infoldings => 

Desmosomes => 

Tall prismatic cells, oval nucleus, tight contact to the basal lamina, up to 500 microvilli on the apical surface => 

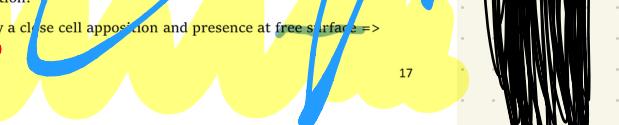
Elongated eosinophilic structural syncytia with clearly pronounced regular transverse striations & peripherally located nucleus => 

Globular complexes with central small lumen, made of cells with pyramidal shape and pronounced apical acidophilia and basal basophilia => 

Weakly contacting fixed and migrating cells with diverse morphological characteristics and abundance of an extracellular matrix rich in diverse fine fibers => 

Complexes of polyhedral cells in close contact with each other within scarce extracellular matrix without visible ducts or cavities => 

(231) Matching question:

It is characterized by a close cell apposition and presence at free surfaces => 

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It allows rapid response to external stimuli => 

It is composed of cells called chondrocytes and highly specialized ECM => 

It contains large amounts of contractile proteins => 

It is characterized by a mineralized ECM => 

(230) Match the listed morphological characteristics to the corresponding tissues from the drop-down menu:

- 1) Tall prismatic cells, oval nucleus, tight contact to the basal lamina, up to 300 microvilli on the apical surface => **[REDACTED]**
- 2) Elongated eosinophilic structural syncytia with clearly pronounced regular transverse striations and round peripherally located nuclei => **[REDACTED]**
- 3) Globular complexes with central small lumen, made of cells with pyramid shape and pronounced apical acidophilia and basal basophilia => **[REDACTED]**
- 4) Weakly contacting fixed and migrating cells with diverse morphological characteristics and abundance of extracellular matrix rich in diverse fine fibers => **[REDACTED]**
- 5) Complexes of polyhedral cells in close contact with each other within scarce extracellular matrix without visible ducts or cavities => **[REDACTED]**

(229) Match the listed descriptions to the corresponding tissues from the dropdown menu:

- It is characterized by a close cell apposition and presence at a free surface => **[REDACTED]**
- It allows rapid response to external stimuli => **[REDACTED]**
- It is composed of cells called chondrocytes and a highly specialized ECM => **[REDACTED]**
- It contains large amounts of contractile proteins => **[REDACTED]**
- It is characterized by a mineralized ECM => **[REDACTED]**

(163) The inner surface of the bone is covered by:

(164) Match the tissues on the left to the cells that form them.

Dentin => **[REDACTED]**

Enamel => **Ameloblasts**

Cementum => **Cementoblasts**

(155) Match the cells listed on the left with their appropriate characteristics:

Plasma cell => **[REDACTED]**

Histiocyte => **[REDACTED]**

Mast cell => **[REDACTED]**

(155) Match the cells listed on the left with their appropriate characteristics:

Plasma cell => 

Histiocyte => 

Mast cell => 

(148) Match the correct answer:

Down syndrome => 

Klinefelter syndrome => 

Turner syndrome => 

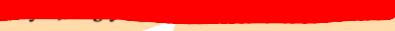
(141) Match the different types of secretion from the glands on the left with their corresponding answer:

1) Merocrine type of secretion => 

2) Apocrine type of secretion => 

3) Holocrine type of secretion => 

(122) Match the terms on the left with the appropriate definitions from the drop list: Corona radiata => 

Zona pellucida => 

Corpus albicans => 

(108) Match the effector nerve endings to their target from the drop list:

Motor nerve endings => 

Secretory nerve endings => 

Neuromuscular spindle => 

(104) Match the terms from the left column to the corresponding definitions from the dropdown list:

Receptive region of a neuron => 

Oligodendrocytes => 

Satellite cells => 

(106) Match the corresponding statements:

Folliculogenesis => 

Spermatogenesis => 

Testosterone => 

- High number of nuclei => **High number of nuclei**
Prominent RER => **Prominent RER**, **nowhere**
Simple squamous => **Simple squamous**
Derive from monocytes => **Monocytes**
Contain myofilaments => **Myofilaments**

(93) Match the terms from the left column to the corresponding definition from the drop list:

- Axon terminal => **Axon terminal**
• Neuroglia => **Supporting glial cells**
• Nissl bodies => **Nissl bodies**

(58) Match each of the listed tissues and the characteristic location of this tissue:

- 1) Dense irregular connective tissue => **Dense irregular connective tissue**
- 2) Elastic connective tissue => **Elastic connective tissue**
- 3) Bone tissue => **Bone tissue**
- 4) Reticular connective tissue => **Reticular connective tissue**
- 5) Mucous connective tissue => **Mucous connective tissue**

(38) Match each of the listed tissues to the structure from the drop-down menu, which is characteristic for the corresponding tissue type:

- Covering epithelium => **Simple squamous**
Cardiac muscle tissue => **Cardiac muscle**
Nerve tissue => **Nerve tissue**
Glandular Epithelium => **Glandular Epithelium**
Bone tissue => **Bone tissue**

- Endoderm => **Endoderm**
Intermediate mesoderm => **Intermediate mesoderm**
Surface ectoderm => **Surface ectoderm**
Lateral mesoderm => **Lateral mesoderm**

Paraxial mesoderm -> **Paraxial mesoderm**

Correct Answer: Match the listed descriptions to the corresponding tissues from the drop-down menu:

- 1/ It is characterized by a close cell position and presence at a free surface. => 
- 2/ It allows rapid response to external stimuli. => 
- 3/ It is composed of cells called chondrocytes and a highly specialized ECM. => 
- 4/ It contains large amounts of contractile proteins. => 
- 5/ It is characterized by a mineralized ECM. => 

Correct Answer: Match each of the listed tissue to the structure from the drop-down menu, which is characteristic for the corresponding tissue type:

- 1/ Covering epithelium => 
- 2/ Cardiac muscle tissue => 
- 3/ Nerve tissue => 
- 4/ Glandular epithelium => 
- 5/ Bone tissue => 

1/ Tall prismatic cells, oval nucleus, tight contact to the basal lamina, up to 300 microvilli on the apical surface => 

2/ Elongated eosinophilic structural syncytia with clearly pronounced regular transverse striations and round peripherally located nuclei => 

3/ Globular complexes with central small lumen, made of cells with pyramidal shape and pronounced apical acidophilia and basal basophilia => 

4/ Weakly contacting fixed and migrating cells with diverse morphological characteristics and abundance of extracellular matrix rich in diverse fine fibers => 

5/ Complexes of polyhedral cells in close contact with each other within scarce extracellular matrix without visible ducts or cavities => 