Name:	_ Period:		
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TISSUES OF THE BODY

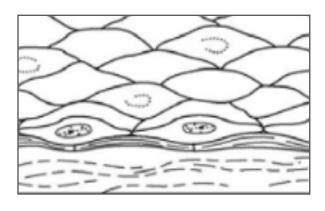
1.	Twelve tissue types are diagrammed below. Identify each tissue type by inserting the correct name in the
	space below the image. Select different colors for the following structures and use them to color the coding
	circle and corresponding structures in the in the images.

Epithelial Cells

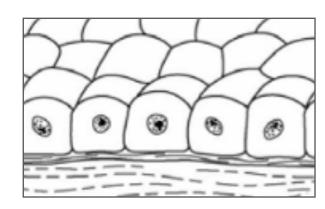
Muscle Cells

Nerve Cells

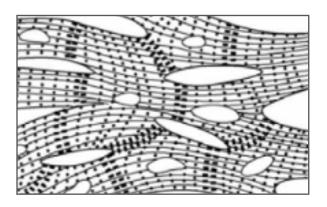
Matrix (should be colored differently from other cell types)



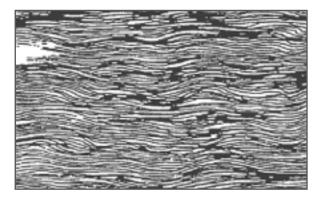
A. Simple squamous epithelium



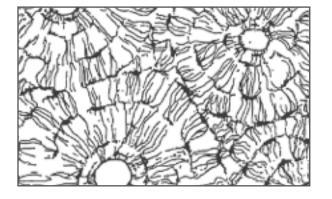
B. Single cuboidal epithelium



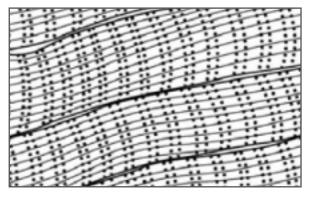
C. Cardiac muscle



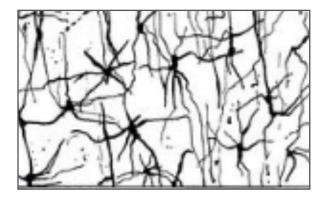
D. Dense fibrous connective tissue

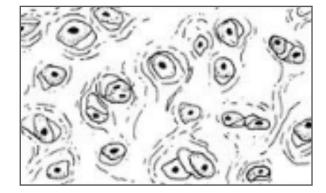


E. Bone

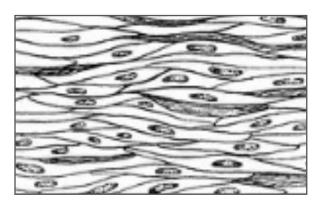


F. Skeletal muscle

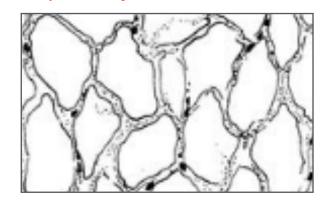




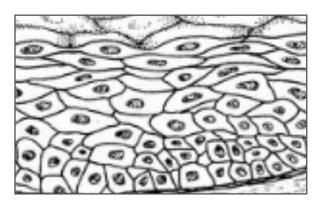
G. Nervous tissue



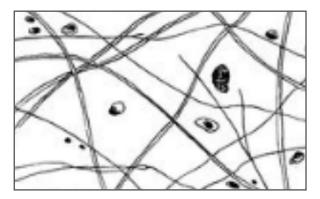
H. Hyaline cartilage



I. Smooth muscle



J. Adipose tissue



K. Stratified squamous

L. Loose connective tissue

Noncellular parts of D, E, H, J, & L are matrix.

2. Describe briefly how the particular structure of a neuron relates to its function in the body.

Long cytoplasm extensions (dendrites & axons) transmit impulses over long distances easily.

Name:		I	Period:	Date:
	ur choices below to corr type, use capital letters.		sue types describ	ed. Enter the appropriate lette
	A. Connective	B. Epithelium	C. Muscle	D. Nervous
B	Forms mucous, ser	ous, and epidermal meml	oranes.	
C	Allows for moveme	ent of limbs and for organ	movements withi	n the body.
D	Transmits electroch	emical impulses.		
A	Supports body orga	ans.		
B	Cells of this tissue i	may absorb and/or secrete	e substances.	
D	Basis of the major of	controlling system of the b	oody.	
C	The major function	of the cells of this tissue t	ype is to shorten.	
B	Forms hormones.			
A	Packages and protects body organs.			
A	Characterized by ha	aving large amounts of no	onliving matrix.	
C	Allows you to smile	e, grasp, swim, ski, and sho	oot an arrow.	
A	Most widely distrib	uted tissue type in the bo	dy.	
D	Forms the brain and spinal cord.			
	six choices below, ident ification term in the ans		ype(s) of epithelia	Il tissue. Enter the appropriate
A. Psudostratified ciliated D. Simple squamous		B. Simple columna E. Stratified squam		. Simple cuboidal Transitional
A or E	Forms the lining of the esophagus.			
B	Forms the lining of the stomach and small intestine.			
D	Found in the lung tissue (alveolar sacs).			
C	Forms the collecting tubules of the kidney.			
E	Forms the epidermis of the skin.			
F	Found int he bladder lining; peculiar cells that slide over one another.			
D	Forms thin serous membranes; a single layer of flattened cells.			

Name:	Period:	Date:

5. The three types of muscle tissue exhibit certain similarities and differences. Place an \mathbf{X} in the appropriate spaces in the following table to indicate which muscle types exhibit each characteristic.

Characteristic	Skeletal	Cardiac	Smooth	
Voluntarily controlled	X			
Involuntarily controlled		X	X	
Banded appearance	X	X		
Single nucleus in each cell		most	X	
Multinucleate	Х			
Found attached to bones	X			
Allows you to direct your eyeballs	Х			
Found in the walls of stomach, uterus, and arteries			X	
Contains spindle-shaped cells			X	
Contains cylindrical cells with branching ends		X		
Contains long, non branching cylindrical cells	Х			
Displays intercalated disks		X		
Concerned with locomotion of the body as a whole	X			
Changes the internal volume of an organ as it contracts			X	
Tissue of the circulatory pump		X		

6. Circle the term that does not belong in each of the following groupings.

a.	columnar	areolar	cuboidal	squamous
b.	collagen	cell	matrix	cell product
C.	cilia	flagellum	microvilli	elastic fibers
d.	glands	bones	epidermis	mucosal
e.	adipose	hyaline	osseous	nervous
f.	blood	smooth	cardiac	skeletal