Biology 12	Name:	
Human Organization	D. C.	
Hiiman (Jrganization	Per: Date:	

$Chapter\ 8-Human\ Organization$

Complete using BC Biology 12, pages 236-255

8.1	T	ypes of Tissues		pages 240 - 243
1.	The t	ssues in the human body can b	e categorized into four major types	
	a) _		: covers body surfaces and lines body cavities	
	b) _		: binds and supports body parts	
	c) _		: moves the body and its parts	
	d) _		: receives stimuli and conducts nerve impulses	
Еp	ithelia	al Tissue		
2.	Descr	ibe four SPECIFIC functions o	f the epithelium (include both external AND internal)	
	a) _			
	b) _			
	c) _			
	d) _			
3.	What	connects the epithelium to un	derlying connective tissue?	
4.	Epith	elial tissue is classified accordin	g to the shape of the cell it is composed of:	
	a)		_	
	b)		_	
	c)		_	
	and the	e number of layers in the tissue	. One layer is referred to as	^(a) epithelium
	and m	ore than one layer is referred to	o as ^(b) epithelium.	
5.	Matcl	the type of epithelial tissue to	where it is found in the body.	
	a) sim	ple squamous	lining of kidney tubules, various gland	s
	b) stra	tified squamous	lining of trachea	
	c) sim	ple cuboidal	lining digestive tract, oviducts	
	d) sim	ple columnar	lining of nose, mouth, esophagus, ana	canal and vagina
	e) pse	udostratified, ciliated columna	r lining of lungs, blood vessels	
6.	When	an epithelium secretes a prod	uct, it is said to be ^(a) . A	(b)
	can b	e a single epithelial cell or can o	contain many cells. Glands that secrete their product into	(c)
	are ca	lled	_(d) glands and those that secrete their products into the	(e)
	aro ca	lled	(f) glands	

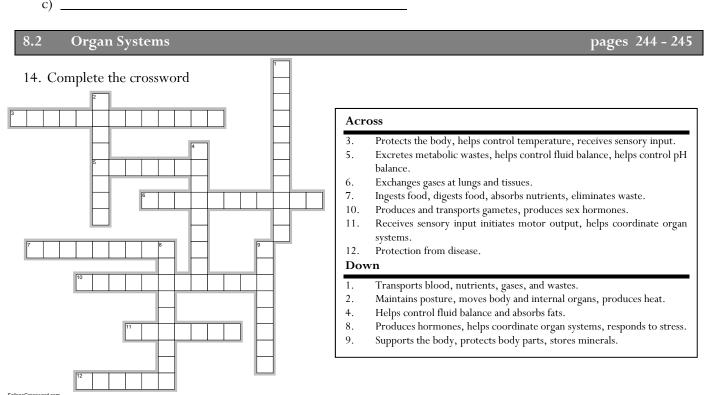
Connective Tissue

7.	Describe the term "r	matrix" as it applies to co	nnective tissues.		
8.	Why do some scient	ists consider blood as a co	onnective tissue while others do not?		
a b)	,			
Mu	scular Tissue				
10. Muscle fibers contain(a) filaments and					
filaments, whose interaction accounts for movement.					
11. Complete the table					
	Type of Muscle	Fiber Appearance	Location	Control	
	Skeletal				

Type of Muscle	Fiber Appearance	Location	Control
Skeletal			
Smooth			
Cardiac			

Nervous Tissue

12. Nerve cells are specialized cells called	(a), which are made	up of three parts:
(b),	(c) and an	(d)
13. The nervous system has just three functions:		
a)		
b)		



8.3 Homeostasis 15. Define homeostasis: a) Regular body temperature = _____ b) Blood pH level = _____ c) Blood sugar level (range) = _____

16. Explain what is meant by the "internal state of the body is in a state of dynamic equilibrium"

a) 1 b) 1	an example of each type of system, as r Negative feedback: Positive feedback: Overview of the Endocrine System	ŕ	
	endocrine system consists of glands and		1 0
20. List	nicals that affect the behavior of other glasix major human endocrine glands and a	t least one of the hormones release	
22. Mos	t hormones are controlled by		^(a) and by the action of
an	(c) horn		o can be controlled by the release of

17. What is the difference between a negative and positive feedback mechanisms?

Mark using the answer key on page 539 - 540. Ensure your written answers are in your own wor	Mark using	the answer	key on page	e 539 - 540.	Ensure your	written answer	s are in your o	wn words
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0	7 1 6		
1	7	13	19
2	8	14	20
3	9	15	21
4	10	16	22
5	11	17	
6	12	18	
23. Tissue Types: con	nnective (I), epithelial (II),	muscle (III) and nervous (IV)	
a		f	k
b		g	l
с		h	m
d		i	n
e		j	0.
31. Match description	n to body system (may be m	nore than one system)	
a		e	i
b		f	j
с		g	k
d		h	
40. Positive or negati	ive feedback: why?		
a	:		
b	:		

