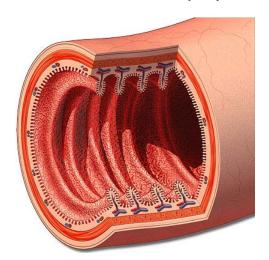
## The Digestive System: Anatomy Review

2.	The four	main layers of the digestive tract wall are
	a.	·
	b	·
	c	·
	d	·

1. List two main divisions of the digestive system.

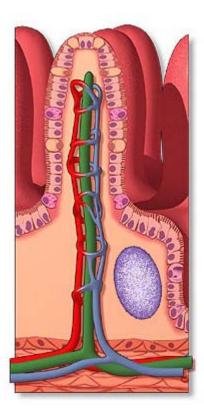
3. Label the diagram below with the four main layers you listed in question 6.



vessels.

4.	The mucosa includes a type of columnarthat forms the inner lining of the lumen
5.	Blood and lymph vessels of the mucosa are found in its connective tissue layer
6.	The smooth muscle layer of the mucosa is called the
7.	The function of epithelial goblet cells is to secrete
8.	cells of the mucosa secrete hormones into the blood.
9.	Absorption of nutrients occurs through the mucosal epithelium and into either or

10. Label the vessels you listed in question 13 in the diagram below.



11.	The muscularis mucosa has both and fibers that function in moving the villi to aid in
	digestion and absorption.
12.	The built-in (intrinsic) network of nerve cells in the submucosa is the
13.	The two types of movements produced by contractions of the muscularis externa are and
	·
14.	The network of neurons in between the two muscle layers of the muscularis externa is the
	·
15	The mouth, with its epithelium, is involved in both chemical and digestion.

16.	List th	ne four	regions	of the	stomach:

a.		

b.

c. \_\_\_\_\_

d. \_\_\_\_\_

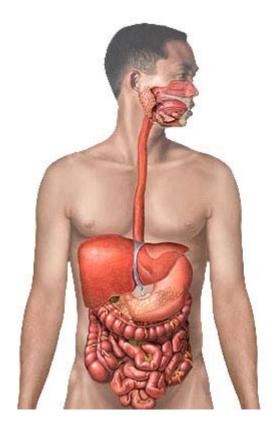
17. List the three sheets of muscle in the stomach's muscularis externa:

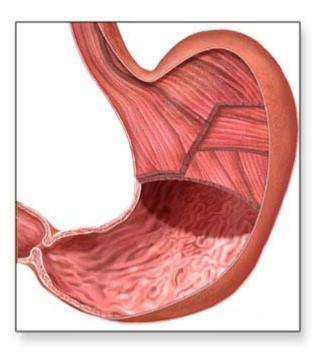
a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_

18. Label the three sheets of muscle in the stomach's muscularis externa in the diagram below.

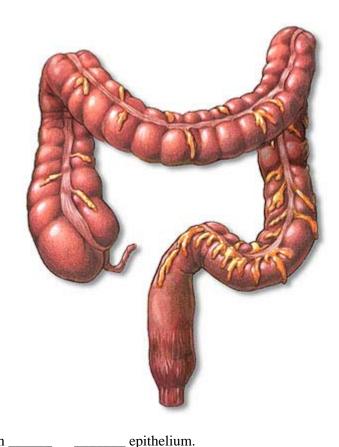




increase surface area:
a
b
c
21. Label two of the modifications of the intestine to increase surface area in the diagram below.
22. The microvilli of the small intestine's epithelial cells form the border.
23. The large intestine absorbs, and
24. Starting from the ileocecal valve, trace the path of undigested material through the large intestine.

20. From largest to smallest, list the three modifications of the small intestine's inner wall that function to

19. List, in order from the pylorus to the colon, the three regions of the small intestine:



25.	25. The anus is lined with epithelium.				
26.	26. List the 6 sphincters of the digestive tract:				
	a.				
	b.				
	c.				
	d.				
	e.				
27.	27. The single digestive function of the liver is to produce				
28.	28. The main digestive enzyme-producing organ in the body is the				
29.	Three 1	pairs of	function to r	noisten food in the mouth.	