Name Class	Date
------------	------

## **SECTION 38-1 REVIEW**

# **FOOD AND NUTRITION**

CABUL	ARY REVIEW Def	ine the following terr	ns.		
Calorie					
ILTIPLE	CHOICE Write th	ne correct letter in the	e blank.		
	a. ATP.	b. Calories.	c. carbohydrates.	d.	disaccharides.
2.	Carbohydrates are imp	portant sources of			
	a. proteins.	b. energy.	c. minerals.	d.	fat.
3.	Essential amino acids	are obtained from			
	a. meat products.	b. milk products.	c. beans and rice.	d.	All of the above.
4.	Saturated fats				
	<ul><li>a. are found in most</li><li>b. are found in anim</li></ul>	-	<ul><li>c. have double bond</li><li>d. are better for you</li></ul>		
5.	W/h - 4 : - 4h::	amount of water you she	ould drink each day?		
	w nat is the minimum	amount of water you sho	oute arms each day.		

	Group a
1.	Based on the organization of the pyramid, which food group does the body need and use the most? What is the primary nutrient in this group?
2.	Which food groups contains all of the essential amino acids? Explain your answer.

Name	Class	Date
------	-------	------

## **SECTION 38-2 REVIEW**

# THE PROCESS OF DIGESTION

CABUI	_AR	Y REVIEW Define the following terms.			
amylas	se				
ULTIPLI	ЕСН	IOICE Write the correct letter in the bl	ank.		
1.	Th	e alimentary canal includes the			
	a.	small intestine. b. liver.	c.	pancreas. d.	All of the above.
2.	Bil	le is			
	a. b.	released into the small intestine. produced by the liver.	c. d.	stored in the gallbladder. All of the above.	
3.	Ch	emical digestion involves			
	a. b.	the molars. amylase in saliva.		the hard and soft palate. the incisors.	
4.	Mι	uscle contractions that help squeeze food throug	h the es	sophagus are known as	
	a.	chemical digestion. b. peristalsis.	c.	chyme. d.	microvilli.
5.	Ulo	cers are linked to the breakdown of the			
	a. b.	pyloric sphincter. gallbladder function.	c. d.	stomach lining.	

Na	me	_ Class	Date
SH	ORT ANSWER Answer the questions in the spa	ce provided.	
1.	What is the function of mucus in the stomach? (p.980)		
2.	What is the primary role of pepsin in digestion? (p.980)_		
3.	How does the pancreas aid in digesting food? (p.981)		
4.	Which part of the digestive tract should have the highest	concentration of blood ca	apillaries? Explain your answer
	(p.983)		
ST	RUCTURES AND FUNCTIONS Use the figure of the	digestive tract below to a	answer the following questions.
1.	Label each part of the figure in the spaces provided. Use the following terms: colon, small intestine, duodenum, liver, pancreas, gall bladder, stomach, and esophagus. (p.979)		( <del>)</del> A
2.	Which structure produces bile? (p.982)		
3.	Is the appendix visible in this diagram?	H.	}
4.	Hormones that regulate blood sugar are produced in		В.
	which structure? (p.981)		c.
5.	Which structures in this diagram contain villi, which	( SPM	D.
	aid in absorbing nutrients? (p.982)	G.	
6.	In which structure would bolus be found?		
7.	In which structures would chyme be found?		F.
8.	What substance is being stored in structure H? (p.982)		

Name	Class	Date
Name	Class	Date

### **SECTION 38-3 REVIEW**

# THE EXCRETORY SYSTEM

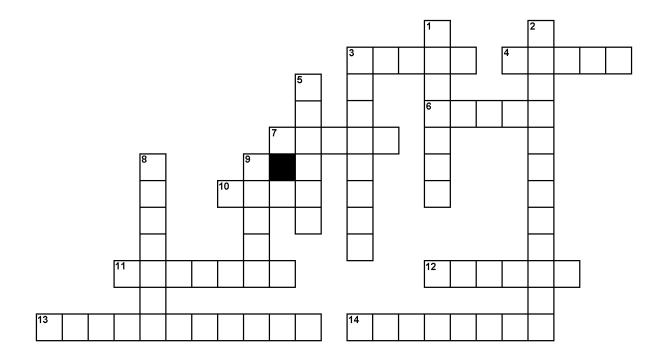
kidney						
	y bladder					
	on					
	Henle					
	a					
	E CHOICE Write the  Most reabsorption within  a. urinary bladder.  b. duodenum.		c.	collecting duct.		
	Most reabsorption within a. urinary bladder.	a nephron occurs in the	c. d.			
1.	Most reabsorption within a. urinary bladder. b. duodenum.	s not part of the nephron	c. d.	loop of Henle.	d.	Bowman's capsul
1.	Most reabsorption within a. urinary bladder. b. duodenum.  Which of the following i	s not part of the nephron b. loop of Henle	c. d. ?	loop of Henle. urethra		•
1.	Most reabsorption within  a. urinary bladder. b. duodenum.  Which of the following i  a. glomerulus	s not part of the nephron  b. loop of Henle	c. d. ? c. mally be	loop of Henle. urethra	wman's	s capsule?
1.	Most reabsorption within  a. urinary bladder. b. duodenum.  Which of the following i  a. glomerulus  Which of the following s	a nephron occurs in the s not part of the nephron b. loop of Henle substances would not nor b. glucose	c. d. ? c. mally be	loop of Henle.  urethra e collected in the Bo	wman's	s capsule?
1. 2. 3.	Most reabsorption within  a. urinary bladder. b. duodenum.  Which of the following i  a. glomerulus  Which of the following s  a. amino acids	a nephron occurs in the s not part of the nephron b. loop of Henle substances would not nor b. glucose	c. d. ? c. mally be	loop of Henle.  urethra e collected in the Bo	wman's	s capsule?
1. 2. 3.	Most reabsorption within  a. urinary bladder. b. duodenum.  Which of the following i  a. glomerulus  Which of the following s  a. amino acids  Urine is excreted from th  a. ureter.	s not part of the nephron  b. loop of Henle  substances would not nor  b. glucose  the body through the	c. d. ? c. mally be c.	urethra e collected in the Bo red blood cells urinary bladder.	wman's	s capsule?

Na	me	Class	Date
SH	IORT ANSWER Answer the questions	in the space provided.	
1.	How does the body lose water? (p.987)		
2.	Discuss the functions of the following structure urethra. (pp.986-987)		· 
3.	How do the kidneys respond to an increased	intake of water? (p.988)	
4.	Describe the process of dialysis? (pp.988-98	89)	
5.	What are a person's two options for survival	l if both of his or her kidneys are unab	le to function? (p.989)
<b>ST</b>	RUCTURES AND FUNCTIONS Use the  Label each part of the figure in the spaces provided. Use the following terms: loop of Henle, collecting duct, glomerulus, and Bowman's capsule.		
2.	In which structure is filtration taking place?	A POPULATION OF THE PROPERTY O	<b>2</b> c.
3.	In which structure is reabsorption taking place?		
4.	In which structure is excretion taking place?		
5.	Which structure could rupture and allow red blood cells to enter the filtrate and become part of one's urine?	D.	

Name	Class	Date

#### **VOCABULARY - CHAPTER 38**

The crossword puzzle is a simple way to master some of the more important vocabulary terms in this chapter.



#### Across

- 3. the organ that produces bile when recycling old red blood cells
- 4. ball of food
- 6. the loop of \_\_\_\_\_ is much longer in desert animals therefore allowing them to reabsorb more water
- 7. used to begin mechanical digestion in the mouth
- 10. \_\_\_\_\_ is stored in the gall bladder
- 11. \_\_\_\_ glands in the stomach secrete hydrochloric acid
- 12. an enzyme found in the stomach that begins to break down large proteins into smaller proteins
- 13. wave-like contractions of the digestive tract that begin in the esophagus and end at the rectum
- 14. the \_\_\_\_\_ convoluted tubule is the site where reabsorption of glucose and amino acids take place

#### Down

- 1. the filtering unit of the kidney
- 2. \_\_\_\_ amino acids can be produced within the body
- 3. lymphatic vessels found in the villi of the small intestine are required for absorption of fatty acids
- 5. a tubule that connects the kidney to the urinary bladder
- the beginning of the nephron is the \_\_\_\_\_ capsule which surrounds the glomerulus and collects the filtrate
- 9. small, finger-like projections that greatly increase surface area in the small intestine

The following words are **not** in this chapter but are used in this puzzle. Use a reference book and look up their meanings to successfully complete this vocabulary puzzle: **proximal and lacteals.**