

EXERCISES

Remember to check your answers carefully with the Answers to Exercises, page 178

		y and an area carefully with	the miswers to exercises, page 178.
A	Match the following digestive system structures with their meanings below.		
	anus cecum colon duodenum	esophagus gallbladder ileum jejunum	liver pancreas pharynx sigmoid colon
	1. large intestine		
	2. small sac under the liver; stores bile		
	3. first part of the large intestine		
	4. end of the digestive tract opening to the outside of the body		
	5. second part of the small intestine		
	6. tube connecting the throat to the stomach		
	7. third part of the small intestine		
	8. large organ located in the RUQ; secretes bile, stores sugar, produces blood proteins		
	9. throat		
	10. lower part of the colon		
	11. first part of the small intestine		
	12. organ under the stomach; produces insulin and digestive enzymes		
		,	п
	Circle the term that fits as well!	the given definition. You shou	ld be able to define the other terms

- - 1. microscopic projections in the walls of the small intestine: papillae villi rugae
 - 2. salivary gland near the ear: submandibular sublingual parotid
 - 3. ring of muscle at the end of the stomach: pyloric sphincter uvula lower esophageal sphincter
 - 4. soft, inner section of a tooth: dentin enamel pulp
 - 5. chemical that speeds up reactions and helps digest foods: triglyceride amino acid enzyme

- 6. **pigment released with bile:** glycogen bilirubin melena
- 7. hormone produced by endocrine cells of the pancreas: insulin amylase lipase
- 8. rhythm-like contraction of the muscles in the walls of the gastrointestinal tract: deglutition mastication peristalsis
- 9. **breakdown of large fat globules:** absorption emulsification anabolism
- 10. pointed, dog-like tooth medial to premolars: incisor canine molar

C	Complete the following.
	1. Labi/o and cheil/o both mean
	2. Gloss/o and lingu/o both mean
	3. Or/o and stomat/o both mean
	4. Dent/i and odont/o both mean
	5. Lapar/o and celi/o both mean
	6. Gluc/o and glyc/o both mean
	7. Lip/o, steat/o, and adip/o all mean
	8. The suffixes -iasis and -osis both mean
	9. Chol/e and bil/i both mean
	10. Resection and -ectomy both mean
	a.
D	Build medical terms based on the given definitions.
	1. removal of a salivary gland
	2. pertaining to the throat
	3. hernia of the rectum
	4. enlargement of the liver
	5. surgical repair of the roof of the mouth
	6. after meals
	7. visual examination of the anal and rectal region
	8. study of the cause (of disease)
	9. incision of the common bile duct
	10. pertaining to teeth and cheek
	10. pertaining to teeth and check

	11. disease condition of the small intestine				
	12. new opening between the common bile duct and the jejunum				
13. pertaining to surrounding the anus					
14. new opening from the colon to the outside of the body					
15. under the lower jaw					
16. pertaining to the face					
E	Match the following doctors or dentists with their specialties.				
	colorectal surgeon nephrologist periodontist endodontist oral surgeon proctologist				
	endodontist oral surgeon proctologist gastroenterologist orthodontist urologist				
	1. treats disorders of the anus and rectum				
2. operates on the organs of the urinary tract					
3. straightens teeth					
	4. performs root canal therapy				
5. operates on the mouth and teeth					
6. treats kidney disorders					
7. diagnoses and treats gastrointestinal disorders					
8. treats gum disease					
9. operates on the intestinal tract					
	Build medical terms to describe the following inflammations.				
	1. inflammation of the appendix				
	2. inflammation of the large intestine				
	3. inflammation of the passageway from the throat to the stomach				
	4. inflammation of the membrane surrounding the abdomen	20			
	5. inflammation of the gallbladder				
	6. inflammation of the third part of the small intestine				
	7. inflammation of the pancreas	ŝ			
	8. inflammation of the gums	e(
	9. inflammation of the liver	6			
	10. inflammation of the mouth	•00			
	11. inflammation of the salivary gland				
	12. inflammation of the small and large intestines				

1. What is jaundice?

Mat	Match the following terms with their meanings below.				
anastomosis biliary defecation cheilitis		gluconeogenesis glycogenolysis hyperbilirubinemia hyperglycemia	mesentery mucosa parenteral portal vein		
1.	high level of blood sugar				
2.	inflammation of the lip				
3.	pertaining to administration of medicines and fluid other than by mouth				
4.	mucous membrane				
5.	expulsion of feces from the body through the anus				
6.	breakdown (conversion) of sta	arch to sugar			
7.	. fan-like membrane that connects the small intestine to the abdominal wall				
8.	. large vessel that takes blood to the liver from the intestines				
9.	new surgical connection between structures or organs				
10.	pertaining to bile ducts				
11.	. process of forming new sugar from proteins and fats				
12.	2. high levels of a bile pigment in the bloodstream				
	Give the names of the following gastrointestinal signs or symptoms based on their descriptions.				
1.	passage of bright red blood fr	om the rectum			
2.	lack of appetite				
3.	fat in the feces				
4.	black, tarry stools; feces conta	aining digested blood			
5.	. abnormal accumulation of fluid in the abdomen				
6.	rumbling noise produced by	gas in the GI tract			
7.	. gas expelled through the anus				
8.	. an unpleasant sensation in the stomach and a tendency to vomit				
9.	. loose, watery stools				
10.	. difficulty in passing stools (feces)				
	11. difficulty in swallowing				
Wr	Write short answers for the following questions.				

2	. List three ways in which a patient can become jaundiced				
	a				
	b				
	C				
3.	. What does it mean when a disease is described as idiopathic?				
Se	lect from the list of pathologic conditions to make a diagnosis.				
	halasia colorectal cancer herpetic stomatitis				
	al fistula Crohn disease (Crohn's) oral leukoplakia				
	hthous stomatitis dental caries pancreatic cancer lonic polyps esophageal cancer periodontal disease				
1.	Mr. Jones, a smoker and heavy drinker, complained of dysphagia in recent months. A longstanding condition of Barrett esophagus resulted in his malignant condition. Diagnosis:				
2.	. An abnormal tube-like passageway near his anus caused Mr. Rosen's proctalgia. His doctor				
	performed surgery to close off the abnormality. Diagnosis:				
3.	Carol's dentist informed her that the enamel of three teeth was damaged by bacteria-producing				
	acid. Diagnosis:				
4.	Paola's symptoms of chronic diarrhea, abdominal cramps, and fever led her doctor to suspect that she suffered from an inflammatory bowel disease affecting the distal portion of her ileum.				
	The doctor prescribed steroid drugs to heal her condition. Diagnosis:				
5.	. Mr. Hart learned that his colonoscopy showed the presence of small benign growths protruding				
	from the mucous membrane of his large intestine. Diagnosis:				
6.	During a routine dental checkup, Dr. Friedman discovered white plaques on Mr. Longo's buccal mucosa. He advised Mr. Longo, who was a chronic smoker and heavy drinker, to have these				
	precancerous lesions removed. Diagnosis:				
7.	Every time Carl had a stressful time at work, he developed a fever blister (cold sore) on his lip, resulting from reactivation of a previous viral infection. His doctor told him that there was no treatment 100% effective in preventing the reappearance of these lesions.				
	Diagnosis:				
8.	Mr. Green had a biopsy of a neoplastic lesion in his descending colon. The pathology report				
	indicated a malignancy. A partial colectomy was necessary. Diagnosis:				
9.	Small ulcers (canker sores) appeared on Diane's gums. They were painful and annoying.				
	Diagnosis:				
10.	Sharon's failure to floss her teeth and remove dental plaque regularly led to development of gingivitis. Her dentist advised consulting a specialist who could treat her condition.				
	Diagnosis:				

11. Imaging tests revealed a tumor in a section of Mr. Smith's pancreas. His physician since it had not spread, he could hope for a cure with surgery. He had a pancreator			eas. His physician told him that le had a pancreatoduodenectomy		
	(Whipple procedure), which was successful. Diagnosis:				
12.	Mr. Clark complained of pain during swallowing. His physician explained that the pain was caused by a failure of muscles in his lower esophagus to relax during swallowing.				
	Diagnosis:	Ξ,			
Ma	tch the following pathologi	c diagnoses with their definition	ns.		
cholecystolithiasis (gallstones)		hemorrhoids	pancreatitis		
	hosis	hiatal hernia	peptic ulcer ulcerative colitis		
diverticulosis dysentery		ileus intussusception	viral hepatitis		
	ohageal varices	irritable bowel syndrome	volvulus		
protrusion of the upper part of the stomach through the diaphragm			agm		
2.	2. painful, inflamed intestines caused by bacterial infection				
3.	3. swollen, twisted veins in the rectal region				
4. open sore or lesion of the mucous membrane of the stomach or duodenum					
5.	. loss of peristalsis				
6.	s. twisting of the intestine on itself				
7.	7. swollen, varicose veins on the surface of the distal portion of the esophagus				
	-				
8.	3. a condition of abnormal outpouchings in the intestinal wall				
9.	chronic inflammation of the colon with destruction of its inner surface				
10.). telescoping of the intestines				
11.	1. inflammation of the liver caused by type A, type B, or type C virus				
12.	2. inflammation of the pancreas				
13.	3. calculi in the sac that stores bile				
14. chronic degenerative liver disease with scarring resulting from alcoholism		alcoholism or infectious			
	hepatitis				
15. symptoms (diarrhea or constipation, abdominal pain, bloating) associated		associated with stress and			
tension, but without inflammation of the intestine					