A tracheostomy tube is used when the pharynx or larynx is obstructed. A small metal or tracheostomy tube is used when the pharynx or larynx is obstructed. A small metal or a tracheostomy tube is used when the pharynx or larynx is obstructed. A small metal or a tracheostomy tube is used when the pharynx or larynx is obstructed. A small metal or A tracheostomy tube is used when the pharyth of the trachea, and it acts as an artificial airway for plastic tube is inserted through a cut made in the trachea, and it acts as an artificial airway for ilation.

Artificial respiration is made when a patient has temporarily lost the capacity to perform

E. Muscles

the normal motions of respirations	The state of the s
Control Tests. Re	spiratory System
1. This science studies the structure and shape	6. The organs of respiration are the
of the body and organs.	A. pharynx, gullet and stomach B. heart and blood vessels
A. Anatomy	C. liver and pancreas
B. Physiology	D. spleen and its blood supply
C. Biology	E. larynx, bronchi and lungs
D. Botany	E. larynx, bronem and lungs
E. Pathology	7. The larynx is formed by
	A. bones
2. The condition of physical, social and	B. ligaments
psychological well-being.	C. cartilages
A. Genetics	D. membranes
B. Disease	E. joints
C. Biochemistry	
D. Embryology	8. According to their structure the bronchi
E. Health	resemble .
	A. the trachea
3. Disorder of the normal functioning of the	B. the heart
human organism.	C. the liver
A. Happiness	D. the stomach
B. Health	E. the larynx
C. Disease	1 Comm
D. Fainting	9. Bronchi have many divisions, so they form
E. Sadness	bronchial
	A. leaf
4. Structural and functional unit of the living	B. branch
organism is .	C. bush
A. tissue	D. flower
B. cell	E. tree
C. organ	
D. system of organs	10. What is the voice organ?
E. body	A. Mouth
	B. Nose
5take part in respiration.	C. Ears
A. Kidneys	D. Larynx
B. Bladders	E. Pharynx
C. Lungs	11. With the help of what do we auscultate a person?
D. Limbs	11. With the help of what do we
T V	person?

person?

A. Ears

_	
or	B. Eyes
for	c phonelidoscope
01	D. Stethoscope
rm	E. Special tube
-11	:- the inflammation of
	12. Rhinitis is the inflammation of
	A. mouth
	B. nose
	C. liver
	D. heart
	E. ears
	t was use our
	13. To do percussion we use our
	A. toes
	B. fingers
	C. hands
	D. arms
	E. elbows
	14. What organ helps in respiration?
	A. Heart
chi	B. Liver
	C. Stomach
	D. Diaphragm
	E. Head
	15. What envelops the lung?
	A. An envelope
	B. A sheet
rm	C. A membrane
	D. A pleura
	E. A scarf
	10
	16. Where are the lungs situated?
	A. In the left part
	B. In the right part
	C. In the abdominal cavity
	D. In the oral cavity
	E. In the chest
	17 m
	17. What does the lung consist of?
	A. Lobes
	B. Substances
e a	C. Sacks
	D. Boxes
	E. Vessels

359 18. Where do pulmonary veins go? A. To the neck B. To the heart C. To the head D. To the liver E. To the lungs 19. What process takes place in the lungs? A. Exchange of gases B. Nourishing C. Production of hormones D. Cell division E. Grooving 20. What does the term "respiration" mean? A. To inhale B. To exhale C. To breathe D. To inspire E. All answers are right 21. What symptom is the most common in respiratory diseases? A. Fatigue B. Headache C. Heartache D. Cough E. Sleep 22. What membrane separates the thoracic cavity from the abdominal cavity? A. Septum B. Diaphragm C. Wall D. Lungs E. Stomach 23. How many lobes do the lungs have? A. 1 B. 2 C. 3 D. 4 E. 5 24. What does "ventilation of lungs" mean? A. Exchange of gases between air and

blood

D. E.

37. Th disease A. B. C. D. E.

38. A c

by repe

39. A

is___

I

40. W

41. V

42.1

C D E

360	C.3
B. Exchange of carbon dioxide	D. 4
B. Exchange of substances C. Exchange of substances in the lungs	E. 5
C. Exchange of sucstant D. Exchange of gases in the lungs	
D. Exchange of gases by blood E. Removal of gases by blood	31. What is the main structural and functional unit of the lung?
E. Kuine	unit of the lung?
25. Where does the process of breathing	A. Sinus
25. William	B. Cosinus
hegin? A. In the mouth	C. Acinus
B. In the eyes	D. Bronchus
C. In the cars	E. Alveolus
D. In the nose	201111111111111111111111111111111111111
E. In the larynx	32. Pleuritis is
	A. cough
6. What term means the inflammation of the	B. inflammation
hroat?	
A. Pharyngitis	C. examination
B. Rhinitis	D. treatment
C. Laryngitis	E. pain
D. Gastritis	
E. Sore throat	33. What does the term "pneumothorax"
La Chite title	mean?
7. You must use Mucaltine in dry cough.	A. Presence of air in the pleura
What medicinal plant is it produced from?	B. Disease
A. Althea	C. Pain in the chest
B. Valerian	D. Pneumonia
C. Lily of the valley	E. Respiratory arrest
D. Poppy	34. The largest portion of air which you can
E. Rose	inhale and exhale is called
28. In what medicinal form is Thermopsis	
	B. breathing capacity
ised?	C. inspiratory capacity
A. Tincture	D engintery capacity
B. Infusion	D. respiratory capacity
C. Ointment	E. all answers are right
D. Dragee	roflexes are
E. Solution	35. The protective respiratory reflexes are
	A. high temperature
29. What is bronchioles?	B. running nose
A. Sacks	C. cilia
B. Balloons	D. cough and sneezing
C. Endings of bronchi	r i
D. Endings on bronchial tree	L. dyspites
E. All answers are right	36. The most important method for examining respiratory organs.
30 Hom	respiratory organs.
30. How many bronchi are there in the body?	A. Auscultation
7.1	B. Percussions
B. 2	C. Roentgenography

D. Bronchoscopia	D. 100
E Anaminesis	E. 40
infactions requires	43 What substance is 1 in the same 12
37. This dangerous infectious respiratory disease is a great problem today.	43. What substance can't exchange in cough? A. Saliva
sicease is a great problem today.	
disease is a S A. Pneumonia	B. Blood
p Cancer of fungs	C. Sputum
a Influenza	D. Urine
n Tuberculosis	E. Foreign bodies
E. Emphysema	AA WII
	44. What apparatus is used to measure the
38. A children's disease which is characterized	vital capacity?
monted allacks of coughing is	A. Bronchoscope
A whooping cough	B. Thermometer
B diphtheria	C. Barometer
C. scarlet fever	D. Tonometer
D. mumps	E. Spirometer
E. chicken pox	2 tinfluence breathing?
	45. What factor doesn't influence breathing?
39. A suspension of colloidal particles in gas	A. Experience
	2,2
is A. liquid	C. Stress
B. aerosol	D. Depression
	E. Physical development of the organism
C. water	for the patient
D. inhalator	46. What is the best position for the patient
E. gas	with respiratory disease?
"acphyvia" mean?	A. To sit
40. What does the term "asphyxia" mean?	B. To stand
А. Дихання	C. To lie
В. Задишка	D. To walk
С. Задуха, ядуха	E. To recline
D. Удар	leasn't take part in
Е. Напад	47. What system of organs doesn't take part in
110	the process of respiration:
41. What is the Greek word for "lung"?	A Respiratory
A. Pulmo	B. Cardiovascular
B. Bronchus	C Nervous
C. Pneumon	D Lymphatic
D. Cancer	E. Digestive
E. Liver	Li 2 C
C. Live	48. The system of respiration includes:
42. What is the normal respiratory rate?	48. The system of respiration action A. the nasal cavity, larynx, trachea,
A 60 70	A. the nasal cavity, the bronchi, lungs and pleura
A. 60–70 B. 16, 20	B. only lungs
B. 16–20	B. om j
C. 120 over 80	

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ISH FOR MEDICAL STUDENTS

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Ex model. Mo

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Ex 1. малень 3. Випа хвора, можуть

Ex

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	ENGLISH FOR	MEDICITE STODENTS
36	362	E. Sneezing
	C. bronchi and lungs with pleura	50 W/I + 4
-010	D lammy and traces	50. What term means "roptation"
	E. nose and mouth	
	:-" mean?	B. Boxes
	49. What does the term "tussis" mean?	C. Larynx
25	A. Pain	D. Trachea
be	B. Cough	E. Pharynx
	C. Fatigue	L. I narynx
	D. Condition	
		nar Exercises
	II. Graini	lai Excicises
26	Exercise 1. Read and translate the inf	formation about the medicine "Ephaci"
thı		Ephact
	(banish the sympt	toms of cold & allergy)
	For quick & long-lasting relief in	
	allergic rhinitis,	
	• sinusitis,	
	• common cold,	
	• nasal congestion,	
27	• vasomotor rhinitis.	
W		
	Unique microdialysis cell technology Constant blood levels	
	Timed-release over 12 hours	
	Composition	
	Each capsule contains: phenyl propanol	amine hydrochloride B.P. 50 mg (in time
•	form), chlorpheniramine maleate B.P. 8 mg (in timed-release form)
28		
us	Exercise 2. Name the parts of speech of Respiration, devotion	of the Cu . I and translate the
	Respiration, devotion, natural, artimeasurement, objection, objective properties	ficial, important, importance,
	measurement, objection, objective, preparation	meial, important, importance,
	, society, preparati	on, prevention.
	Exercise 3 Doggan	- M 19
	the sentences into Ukrainian.	Participle II in the following sentence
29	1. Graduated	100
29	experiment was widely applied in over the	Sure different whomas 2 The method
	The state of the s	3 6-12/11/16V
	results. 4. The findings obtained in our labor scientific society. 5. The bark collected in the process of h	ratory. 3. The obtained into hished by
	in the process of he bark collected in	atory confirmed those published the changes
	scientific society. 5. The bark collected in sprints several groups.	ing preserved its color. 6. The mared
	groups.	position. 7. The substances comp
30	Exercise	/
	of adverbials. Read and translate the same	s in the
	Exercise 4. Read and translate the sen	tences with participle complexes
	1. Using different methods of	ation participies

1. Using different methods chemists isolated and it is to bout six million with the establishing impurities.

2. While establishing impurities

Exercise 1. Read and learn the following words, pay attention to their Latin/Greek

English	Latin/Greek	Illowdates
digestion [di'dzestsn]	digestiō/pepsis	Ukrainian
oral cavity	cavitas oris/stomato-	травлення
tooth (teeth)	dens, dent/odont-	ротова порожнина зуб (зуби)
tangue [tan]	lingua	язик
esophagus [i:'spfəgəs]	oesophagus	стравохід
etomach [s'tamək]	ventriculus/gastro-	шлунок
duodenum [,dju:əv'di:nəm]	duodenum	дванадцятипала кишка
small intestine	intestinum tenue/entero-	тонка кишка
villus ['viləs]	villus	ворсинка
peritoneum [pəri'toniəm]	peritoneum	очеревина
large intestine	intestinum crassum/col(on)	товста кишка
cecum ['si:kəm]	caecum	сліпа кишка
saliva [səˈlaivə]	saliva	слина
bile, gall	bilis, fel/chole-	жовч
liver	hepar, hepato-	печінка
gall bladder	vesica biliaris	жовчний міхур
pancreas ['pæŋkri:əs]	pancreas	підшлункова залоза
enzyme ['enzaim]	enzymum	фермент
anus ['einəs]	canalis analis	анус, анальний отвір
rectum	rectum/procto-	пряма кишка

Exercise 2. Learn the following word combinations.

taste receptors - рецептори смаку mucous membrane – слизова оболонка gastric juice - шлунковий сік papillae of the tongue - сосочки язика alimentary tract - травний канал

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Exercise 3. Read and translate the following sentences.

1. The liver consists of small lobules connected together by the connective tissue, different vessels and nerves. 2. That portion of the alimentary tract which forms the large intestine consists of the cecum, colon and rectum. 3. The duodenum is called so because its length measures about the length of twelve fingers. 4. The liver consisting of lobes is covered with a fibrous coat.

Exercise 4. Match the adjectives with the nouns. Translate your word combinations. Inner, serous, salivary, hard, exact (точний), vital, face, connective, pale, length, palate, coat, capacity, gland, layer.

Exercise 5. Choose the correct answer to the question.

What are the two main functions of the digestive system?

a) The organs of the digestive system break the taken food into the smallest particles and supply body cells with nutrients to provide energy.

b) They are inhalation and exhalation.

b) They are inhalation and exhalation.
c) They are digestion (the process of braking food into small particles to pass them through the circulation). the walls of cells) and absorption (the transferring of food into the circulation).

Exercise 6. Read the texts, translate them.

Alimentary Tract

The alimentary tract is a musculomembraneous canal about 8.5 m in length. It extends from the oral cavity to the anus. It consists of the mouth, pharynx, esophagus, stomach, small intestine, and large intestine. The liver with gall bladder and pancreas are the large glands of the alimentary tract.

The first division of the alimentary tract is formed by the mouth. Important structures of the mouth are the teeth and the tongue, which is the organ of taste. The soft and hard palates and

the salivary glands are also in the oral cavity.

From the mouth food passes through the pharynx to the esophagus and then to the stomach.

The stomach is a dilated portion of the alimentary canal. It is in the upper part of the abdomen under the diaphragm. It measures about 21-25 cm in length, 8-9 cm in its greatest

diameter. It has a capacity from 2.14 to 4.28 l.

The small intestine is a thin-walled muscular tube about 6.5 meters long. It is located in the lower and central portions of the abdominal and pelvic cavities. The small intestine is composed of the duodenum, jejunum, and ileum. The large intestine is about 1.5 m long. It is divided into cecum, colon and rectum.

Accessory Organs

The liver is the largest gland in the human body. It is in the right upper part of the abdominal cavity under the diaphragm. So, the liver is on the right side of the abdomen. The weight of the liver is 1500 g.

The gall bladder is a hollow sac lying on the lower surface of the liver.

The pancreas is a long thin gland lying under and behind the stomach on the left side.

Exercise 7. Look at Fig. 17-1. Name all the organs of the digestive system from the oral cavity to the anus.

Exercise 8. Say what organ is spoken about.

a) This organ is the largest gland in the human body. It is in the upper part of the abdominal ty under the diaphragm in the cavity under the diaphragm in the right part of the abdomen. Its upper surface is convex. This organ consists of small label. organ consists of small lobules connected together by the connective tissue, different vessels and nerves.

b) This organ is pyriform (грушовидний) in shape. It is a dilated portion of the alimentary canal. It is in the upper part of the abdomen under the diaphragm. The liver is above this organ, and the colon is below it. The new this organ, and the colon is below it. The pancreas is behind this organ.

oral cavity sublingu

submandibu

trachea (v

gall bladder -

common bi

pancreas pancreatic (

ascendin

duo

vermiform

Fig. 17-1. T

UNIT EIGHTEEN

Speaking	Digestive System Disorders
Grammar	Gerund Usage (§107)
Independent Work	How to Go on a Diet?

I. Speaking: Digestive System Disorders

After careful study of this unit you should be able to:

- list all stomach disorders and their symptoms;
- describe what happens during formation of peptic ulcer;
- -name the symptoms of stomach cancer;
- list intestinal disorders.

Exercise 1. Learn the following words by heart, pay attention to their Latin/Greek equivalents.

English	Latin/Greek	Ukrainian
ondition	status, conditio	стан
yspepsia [dis'pepsiə]	dyspepsia	порушення травлення
allstones	cholecystolithus	жовчокам'яна хвороба
atarrh [kəˈtɑː]	catarrhus	катар, запалення слизової оболонки
irrhosis [si'rəusis] of the liver	cirrhosis hepatis	цироз печінки
peritonitis [,peritə'naitis]	peritonitis	запалення оболонки очеревини, перитоніт
	ulcus	виразка
ulcer ['Alsə]	gastritis	запалення шлунку, гастрит
gastritis	duodenitis	запалення дванадцятипалої кишки
duodenitis		запалення печінки, гепатит
hepatitis	hepatitis pancreatitis	запалення підшлункової залози, панкреатит
pancreatitis		запалення товстого кишечнику, коли
colitis	colitis	запалення червоподібного відростка
2nma 1' '	appendicitis	апендицит
appendicitis		передозування
overdosage	hyperdosis	пронос
diarrhea [,daiə'riə]	diarrhoea	нудота
nausea ['no:sjə]	nausea	блювання
vomiting	vomitus	скопичення газів
flatus ['flætəs]	flatus	геморой
hemorrhoids	haemorrhoides	грижа, кила
hernia ['hɜ:niə]	hernia	TPTOM

Exercise 2. Read the text.

In the cardiological department one can see patients with heart diseases. They suffer the cardiological department one can see patients with heart diseases. They suffer the cardiological department one can see patients with heart diseases. They suffer the cardiological department one can see patients with heart diseases. In the cardiological department one can see I hey suffer from myocarditis, pericarditis, cardiosclerosis, etc. They have heart troubles, breathlessness weakness and other symptoms. kness and other symptoms.

In the pulmonological department there are patients with lung diseases. They suffer from the pulmonological department there are patients with lung diseases. They suffer from the pulmonological department there are patients with lung diseases. They suffer from the pulmonological department there are patients with lung diseases. They suffer from the pulmonological department there are patients with lung diseases.

In the pulmonological department there are pulmonia, bronchitis, asthma, etc. They complain of their bad cough, high temperature

headache.

lache.

In the gastroenterological department you can find patients with abdominal diseases. They feel pain in their stomachs, weakness and some In the gastroenterological department years they have gastritis, colitis, ulcer, etc. They feel pain in their stomachs, weakness and sometimes they have gastritis, colitis, ulcer, etc. They feel pain in their stomachs, weakness and sometimes they have gastritis, contis, ticel, etc. They tee have vomiting or nausea. Many patients are recovering. Some of them are all right. But some patients are in a bad condition. Doctors pay much attention to the patients. They use different methods of treatment. Many patients are discharged from the hospital every day.

Exercise 3. Answer the following questions.

1. What patients can one see in the cardiological department?

2. What diseases do they suffer from?

3. What lung diseases do patients suffer from?

4. Are many patients recovering?

5. What methods of treatment do doctors use?

Exercise 4. Add missing parts to the word gastr(o) using Greek term elements.

	- surgical removal of all or some part of the stomach
	- an instrument for visual inspection of the inside of the stomach
Gastr	- a bleeding from the stomach lining
Gastro	- inflammation of the stomach lining
	- dislocation of the stomach down

(-itis; -ectomy; -ptosis; -rrhagia; -scope)

Exercise 5. You are a gastroenterologist and you're consulting a patient (make up a dialog with your friend). Use the following word combinations:

- to be sick - почувати нудоту (англ.); бути хворим (амер.);

- to be X-rayed - пройти рентген;

- to follow doctor's orders - виконувати вказівки лікаря;

- to keep (stay) in bed - дотримуватися постільного режиму; - you don't look well - у вас поганий вигляд;

- to be operated upon - бути прооперованим;

- to be feverish - лихоманити;

I feel faint. – Мені погано.

- My head swings. - У мене крутиться голова.

– Your tongue is rather coated (is not clean). – У вас наліт на язиці. - Lie down on you back (stomach). - Ляжте на спину (живіт).

Do you have a good (poor) appetite? – Ви маєте добрий (поганий) апетит?
 Do you have vomiting (hearthurn)?

- Do you have vomiting (heartburn)? - У вас блювання (печія)? – Is the vomit bloodstrained (with mucus, unfrequent, violent)? – Блювота з кров'ю (зі слизом, нечаста, сильна)?

- Of

- Is _ Is 1

- Do

(виразка - Is

содовою - Th

не прома

Exer 1. II

загальну пронос, 1 висока то їх випиш

Exer

An u may deve ulcers). U to eat awa

- re (NSAIDs

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- inf

Sym navel and person du antacid. U during or

Ulce movemen (perforate

Bleed

-Ave food from

- Eli

- Try

- Sto Smoking :

- Of what color is the vomit? Якого кольору блювота?
- Is your tongue always pink? Ваш язик завжди рожевий?

Is there any pain in your abdomen? – У вас болить живіт?

Do you suffer from indigestion (gastric or duodenal ulcer)? – У Вас розлад травлення (виразка шлунка чи дванадцятипалої кишки)?

Is the gastric pain relieved by taking food or soda? – Чим заспокоюєте біль – їжею чи содовою водою?

_ The liver, spleen, gall bladder are not palpable. – Печінка, селезінка, жовчний міхур не промацуються.

Exercise 6. Translate the following sentences.

1. Ці пацієнти страждають на виразку шлунка. Вони відчувають біль у шлунку, загальну слабкість. У них буває нудота або блювання. 2. У цього чоловіка часто буває пронос, він відчуває біль у шлунку після їжі. З. Ця пацієнтка у поганому стані. У неї висока температура, блювання і сильно болить голова. 4. Ці пацієнти одужують. Скоро їх випишуть із лікарні.

Exercise 7. Read, translate the text and make up a plan on it.

Ulcers

An ulcer (peptic ulcer) is a sore or a crater in the lining of the gastrointestinal tract. Ulcers may develop in the stomach (gastric ulcers) or in the upper part of the small intestine (duodenal ulcers). Ulcers develop when something damages the protective lining and allows stomach acid to eat away at it. Factors that increase the risk of ulcers include:

- regular use of aspirin, ibuprofen, and other nonsteroidal anti-inflammatory drugs

(NSAIDs), such as indomethacin, naproxen, clinoril, etc.;

- smoking;

- infection with the bacteria called Helicobacter pylori.

Symptoms of an ulcer may include a burning or sharp pain in the abdomen between the navel and the end of the breastbone. The pain often occurs between meals and may wake the person during the night. The pain can usually be relieved by eating something or taking an antacid. Ulcers may also cause heartburn, nausea or vomiting, and a bloated or full feeling

Ulcers can cause bleeding in the stomach, which may produce black or tarry bowel during or after meals. movements. Without treatment, ulcers may occasionally cause obstruction or break through

Bleeding and perforation are serious situations that require immediate treatment. (perforate) the stomach lining.

Avoid foods that seem to bring on symptoms. It isn't necessary to eliminate any particular from food from your diet (although milk and milk products slow healing and should be avoided). Eliminate alcohol, caffeine, and spicy foods if they seem to worsen symptoms.

Try eating smaller, more frequent meals. If it doesn't help, return to a regular diet. Stop smoking. People who smoke are twice as likely to develop ulcers as nonsmokers.

- Do not take aspirin or ibuprofen. Try acetaminophen instead.
- Do not take aspirin or ibuproten. The desired and allow the ulcer to head Antacids are usually needed to neutralize stomach acid and allow the ulcer to head Antacids are usually needed to neutralize stomach acid and allow the ulcer to head Antacids are usually needed to neutralize stomach acid and allow the ulcer to head Antacids are usually needed to neutralize stomach acid and allow the ulcer to head Antacids are usually needed to neutralize stomach acid and allow the ulcer to head Antacids are usually needed to neutralize stomach acid and allow the ulcer to head Antacids are usually needed to neutralize stomach acid and allow the ulcer to head Antacids are usually needed to neutralize stomach acid and allow the ulcer to head Antacids are usually needed to neutralize stomach acid and allow the ulcer to head Antacids are usually needed to neutralize stomach acid and allow the ulcer to head Antacids are usually needed to neutralize stomach acid and allow the ulcer to head Antacids are usually needed to neutralize stomach acid and allow the ulcer to head Antacids are usually needed to neutralize stomach acid and allow the ulcer to head Antacids are usually needed to neutralize stomach acid and allow the ulcer to head Antacids are necessarily needed to neutralize stomach acid and allow the ulcer to head Antacids are necessarily needed to never the necessarily needed to never the necessarily - Antacids are usually needed to need any need frequent large doses to do the least are with your doctor about the best dose. You may need frequent large doses to do the least with your doctor about the best dose. You may need frequent large doses to do the least are often best. If you are compared to need to need the least are usually needed to need to need the least are usually needed to need to need the least are usually needed to need to need the least are usually needed to need to need the least are usually needed to needed the least are usually needed to need the least are usually needed to Talk with your doctor about the best dose. The with your doctor about the best dose. If you are on a low Nonabsorbable antacids like Maalox, Mylanta, and Gelusil are often best. If you are on a low Nonabsorbable antacid. Some antacid. Nonabsorbable antacids like Maalox, Wylands, Some antacids like Wylands, So high sodium content.

Too much stress may slow ulcer healing.

Exercise 8. Here is a list of different disorders of the organs of the digestive system Read the information, compare English words with their Greek equivalents.

- 1. Peritonitis is the peritoneal inflammation.
- 2. Caries, gingivitis and periodonitis are diseases of the oral cavity.
- 3. Pharyngitis is the inflammation of the pharynx.
- 4. Gastritis, ulcer and cancer are diseases of the stomach.
- 5. Enteritis, diarrhea, appendicitis, and cancer are disorders of the intestines.
- 6. Diseases of the liver are hepatitis, cirrhosis, and cancer.
- 7. Pancreatitis is the inflammation of the pancreas.
- 8. Gallstones (or cholelithiasis) and cholecystitis are disorders of the gall bladder.

Exercise 9. Answer the following questions.

- 1) What symptoms of digestive disorders can you name?
- 2) What diseases of the stomach do you know?
- 3) Will you describe peptic ulcer?
- 4) What factors increase the risk of ulcer?
- 5) What may ulcer cause?
- 6) What can you advise to a patient suffering from ulcer?
- 7) What diseases of the accessory organs do you know?

Control Tests. Digestive System

- 1. What function does the process of digestion fulfill?
 - A. Sexual
 - B. Metabolism
 - C. Supportive
 - D. Protective
 - E. Immune
- 2. What processing does food undergo in the oral cavity?
 - A. Mechanical
 - B. Mechanical and particularly chemical
 - C. Only chemical
 - D. Particularly chemical
 - E. Particularly mechanical

- 3. Where does food get in at first?
 - A. The large intestine
 - B. The small intestine
 - C. The oral cavity
 - D. The duodenum
 - E. The gullet
- 4. With the help of what is food cut in the mouth?
 - A. Teeth
 - B. Tongue
 - C. Gums
 - D. Palate
 - E. Cheeks

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C. D.

E.

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C. D.

E.

8. Whe

A. B.

> C. D.

9. Wha

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B. C.

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10. WI betwee

A.

B.

C.

D. E.

- 5. Where does food go from the oral cavity?
 - A. Esophagus
 - B. Stomach
 - C. Gullet
 - D. Pharynx
 - E. Larynx
- 6. With the help of what is food segregated in the stomach?
 - A. Stomach juice and enzymes
 - B. Saliva and stomach juice
 - C. Enzymes and gall
 - D. Stomach juice and water
 - E. Water and enzymes
- 7. What is there between the pharynx and stomach in the digestive tract?
 - A. Liver
 - B. Duodenum
 - C. Heart
 - D. Ribs
 - E. Gullet
- 8. Where are fats split?
 - A. In the stomach
 - B. In the rectum
 - C. In the anal canal
 - D. In the gall bladder
 - E. In the duodenum
- 9. What organ also takes part in digestion?
 - A. Kidney
 - B. Heart
 - C. Brain
 - D. Liver
 - E. Lung
- 10. What part of the digestive tract is there between the gullet and duodenum?
 - A. Stomach
 - B. Large intestine
 - C. Small intestine
 - D. Pancreas
 - E. Liver

- 11. What kind of juice takes part in digestion?
 - A. Fruit
 - B. Gastric
 - C. Orange
 - D. Apple
 - E. Sweet
- Through it fecal masses go out the body.
 - A. Stomach
 - B. Lungs
 - C. Rectum
 - D. Anus
 - E. Liver
- 13. What does gastritis mean?
 - A. Ulcer of the stomach
 - B. Cancer of the stomach
 - C. Catarrh of the stomach
 - D. Spasm of the stomach
 - E. Emptying of the stomach
- 14. Through it food gets into the stomach.
 - A. Liver
 - B. Esophagus
 - C. Duodenum
 - D. Rectum
 - E. Pancreas
- 15. What does dyspepsia mean?
 - A. Narcosis
 - B. Fracture
 - C. Pregnancy
 - D. Difficulty in digestion
 - E. Lack of vitamins
- 16. What substances are absorbed in the large intestine?
 - A. Sugar and salts
 - B. Gall and lymph
 - C. Water and salts
 - D. Blood and water
 - E. Water and sugar
- 17. What is a part of large intestine?
 - A. Duodenum

the stomach?

A. Salts

B. Acids

D. Urea

C. Enzymes

E. Hormones

A. Urolog

B. Neurol

C. Stoma

D. Gastro

E. Cardio

A. hungi

C. thirst

D. happy

E. sick

A. Hear

B. Trun

C. Che

D. Abd

E. Gull

A. pala

B. hou

C. pala

D. ceil E. ton

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bile.

32. The roo

31. What is

"oesophagus

B. sad

30. If you was

376

B. Liver

C. Kidney

D. Colon

E. Bladder

A. Heart

B. Gullet

C. Liver

"esophagus"?

D. Pancreas

E. Stomach

A. Bronchus

B. Ventricle

D. Gall bladder

A. Duodenum

C. Small intestine

D. Large intestine

C. Gullet

E. Bladder

B. Liver

E. Pharynx

A. Blood

C. Cells

D. Bile

E. Urine

B. Hormones

C. Into the blood vessels

23. Where are fecal masses formed?

D. Into the rectum

E. Into the gullet

A. In the kidneys

B. In the bladder

29. What doctor treats diseases of the digestive	35. Examination of the stomach and duodenum
	with the help of an instrument.
	A. Rectoromanoscopia
n Neurologist	B. Gastroenteroscopia
a ctomatologist	C. Bronchoscopia
p. Gastroenterologist	D. Ophthalmoscopia
E. Cardiologist	E. Nephroscopia
30. If you want to eat, you are	36. What is the English for "виразка"?
A. hungry	A. Fetus
	B. Ulcer
B. sad	C. Wound
C. thirsty	D. Abscess
D. happy E. sick	E. Necrosis
	37. Inflammation of the large intestine.
31. What is the English for the Latin term	A. Cystitis
"oesophagus"?	B. Enteritis
A. Heart	C. Colitis
B. Trunk	D. Proctitis
C. Chest	E. Pharyngitis
D. Abdomen	1 1 19
	38. Where is the stomach situated?
E. Gullet	A. In the thoracic cavity
a	B. In the head
32. The roof in the mouth is	C. On the left side
A. palace	D. On the right side
B. house	E. In the abdominal cavity
C. palate	of taste?
D. ceiling	39. What is the organ of taste?
E. tongue	A. Mouth
	B. Nose
33. The largest glandular organ which secrete	cs C. Skin
kit.	
bile.	E. Eye
A. Tonsil	40. How many teeth does an adult perso
B. Pancreas	40. How many teeth does an
C. Thyroid	have?
D. Liver	A. 20
E. Thymus	B. 28
Charles and the second	C. 32
34. Removal of the gall bladder.	D. 36
A. Cholecystectomy	E. 24
B. Gastrectomy	41. What shape is the stomach?
C. Esophagotomy	A. Pyriform
D. Pharyngotomy	A. 1 J.
E. Enterotomy	

a,

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378	46. The process of filling cells with energy. A. Nutrition
B. Ball	A. Nutrition
C. Balloon	B. Micturition
D. Tube	C. Digestion
E. Tree	D. Production
mambrane	E. Excration
2. The inflammation of the mucous membrane	
of the stomach.	47. What does exchange of substances in the
A. Duodenitis	Olganism mean.
B. Colitis	A. Catabolism
C. Enteritis	B. Botulism
D. Hepatitis	C. Metabolism
E. Gastritis	D. Assimilation
	E. Dissimilation
3. The inflammation of the liver.	
A. Cholecystitis	48. The lack of vitamin D causes
B. Hepatitis	babies.
C. Duodenitis	A. scurvy
D. Pharyngitis	B. flu
E. Rhinitis	C. pneumonia
	D. rachitis
4. What does the act of defecation mean?	E. mumps
A. Evacuation	•
B. Supply	49. The lack of vitamin C causes this disease
C. Absorption	A. scurvy
D. Segregation	B. flu
E. Exhalation	C. influenza
	D. pneumonia
5. The tiny hair in the small intestine is called	E. dysentery
A. bacillus	50. Special food for patients.
B. egg	A. Vegetables
C. horn	B. Fruit
D. villus	C. Meat
E. stick	D. Fish
	E. Diet
AND THE RESERVE OF THE PARTY OF	
II. Gramma	ar Exercises
Exercise 1 State the	late them.

a) Anatomist, biologist, clinician, hygienist, physician, gynecologist, pediamician, hygienist, physician, gynecologist, physician, gynecologist, pediamician, hygienist, physician, gynecologist, psychiatrist, naturalist.

b) Administration, investigation, contribution, foundation, addition, suggestion, development, improvement. lopment, improvement.

c) Clinical, educational, scientific, centrifugal, remarkable, inorganic, valuable, topographical.

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English	Latin/Greek	Ukrainian
afferent nerve fibers	neurofibrae afferentes	чутливі (аферентні) нервові волокна
efferent nerve fibers	neurofibrae efferentes	рухові (еферентні) нервові волокна
L'oak SDII	axon	аксон
lion gallinen	ganglion	ганглій, вузол
angular [impals]	impulsus	імпульс
neurotransmitter		нейротрансміттер, нейромедіатор
plexus ['pleksəs]	plexus	сплетіння
receptor [re'septə]	receptor	рецептор
dendrites ['dendraits]	dendriti	дендрити
-welin ['maiəlin]	myelinus	мієлін
neurilemma [ˌnju:əri'lemə]		неврилема
brain [brein]	cerebrum/encephalon	головний мозок
spinal cord ['spainl'ko:d]	medulla spinalis	спинний мозок

Exercise 2. Read and learn the following word combinations and their meaning.

spinal cord - спинний мозок (стрижень)

meninx ['meninks] (pl. meninges [me'nindʒi;z]) – оболонка мозку

myelin sheath ['ʃiːð] мієлінова оболонка

neurilemma – шваннівська оболонка (оболонка нервових волокон)

synapse – синапс (спеціалізовані утвори функціонального зв'язку нейронів один з одним або з клітиною, яку вони іннервують; служать для сприйняття і передачі нервових імпульсів)

stimulus ['stimjoləs] подразник

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heir

white matter – біла речовина (шляхи і канатики)

gray matter – сіра речовина (ядра і стовпи)

sensory neurons – сенсорні нейрони (чутливі)

motor neurons - моторні нейрони (рухові)

Exercise 3. Read and translate the text.

Nervous System (Part I)

None of the body systems is functioning alone. The body systems work together as one unit and the nervous system serves as a chief coordinating center. The nervous system has been compared to a telephone exchange, in that the brain and the spinal cord act as switching centers, and the nerve trunks act as cables for carrying messages to and from these centers.

The nervous system structurally is divided into the central nervous system (CNS), which includes the brain, the spinal cord, and the peripheral nervous system (PNS), which includes all

Functional divisions of the nervous system include the somatic (voluntary) nervous system, of the cranial and spinal nerves (Fig. 19-1). Which supplies skeletal muscles, and the visceral (involuntary) nervous system, which supplies smooth muscles, cardiac muscles, glands.

The nerve cell is called a neuron (Fig. 19–2). It consists of a cell body with a nucleus and the nerve cell is called a neuron (Fig. 19–2). It consists of a cell body with a nucleus and the nerve cell is called a neuron (Fig. 19–2). It consists of a cell body with a nucleus and the nerve cell is called a neuron (Fig. 19–2). It consists of a cell body with a nucleus and the nerve cell is called a neuron (Fig. 19–2). It consists of a cell body with a nucleus and the nerve cell is called a neuron (Fig. 19–2). It consists of a cell body with a nucleus and the nerve cell is called a neuron (Fig. 19–2). It consists of a cell body with a nucleus and the nerve cell is called a neuron (Fig. 19–2). The nerve cell is called a neuron (Fig. 1) 2). The nerve fibers are of two kinds and nerve fibers, which are thread-like projections of the cytoplasm. Nerve fibers are of two kinds nerve fibers, which are thread-like projections of the cytoplasm. Nerve fibers are of two kinds and axons, which conduct impulses to the cell body, and axons, which conduct impulses to the cell body. nerve fibers, which are thread-like projections of the cell body, and axons, which conduct impulses away dendrites, which conduct impulses away

from the cell body.

the cell body.

The job of neurons of the peripheral nervous system is to relay information to or from the large system. Neurons that conduct impulses to the CNS are sensory, or are The job of neurons of the peripheral formula to the CNS are sensory, or afferent central nervous system. Neurons that conduct impulses to the CNS are sensory, or afferent central nervous system. central nervous system. Neurons that contains the CNS out to muscles and glands are motor, or neurons. The organ activated by the motor neuron is the effector. efferent, neurons. The organ activated by the motor neuron is the effector. Nerve impulse is electric current that spreads along the nerve fiber.

Nerve impulse is electric current that I synapse is the junction between neurons where a nerve impulse is transmitted from one

neuron to the next.

on to the flext.

A nerve is a bundle of nerve fibers located outside the CNS. Bundles of nerve fibers within the CNS are tracts.

The nerves are sensory (afferent), they contain only fibers that carry impulses toward the CNS (from the receptor); motor (efferent), they contain only fibers that carry impulses away from the CNS (from the receptor); mixed, they contain both motor and sensory fibers.

Reflex is a simple, rapid, automatic response involving few neurons.

Exercise 4. Make up a plan of the text.

Exercise 5. Define the following terms.

Neuron, nerves, tracts, reflex, synapse, axon, dendrite, effector.

Exercise 6. Find English equivalents in the text.

Подають імпульси до клітини тіла, електрохвиля, з'єднання між нейронами, як єдине ціле, центральна нервова система, головний мозок, вольова нервова система, нервові волокна і пучки, кабель для передачі повідомлень, робота нейронів, що несуть імпульси до ЦНС, від рецепторів.

Exercise 7. Answer the following questions.

- 1) What is the main function of the nervous system?
- 2) What are two main structural divisions of the nervous system?
- 3) What is the nerve impulse?
- 4) What is synapse?
- 5) Do axons or dendrites conduct impulses away from the cell body?

Exercise 8. Translate into Ukrainian.

1. Scientists consider that there are up to 12 billion nerve cells which are performing their tion of coordination of human and it is in the scientists. function of coordination of human activities all over the body.

2. Thanks to the nervous system which controls the activities of the body we can see, think, k, hear, touch, feel, etc.

speak, hear, touch, feel, etc.

3. External and internal receptors receive and transmit nervous impulses to the nerve cells then to the spinal cord and brain and then to the spinal cord and brain.

Fig. 19

N