

Class 14

Revision

Topics: The Digestive System

The Cardiovascular System

The Respiratory System

Grammar: Passive Voice: Simple Tenses

The Digestive System

Task 1. Substitute the Russian words in brackets for the English ones:

- 1** The lower body cavity, called the abdomen, contains the (желудок), (печень), (почки), (желчный пузырь), and intestines.
- 2** The largest structure of the digestive system is the (пищеварительный тракт).
- 3** The major accessory organs are the (слюнные железы), (поджелудочная железа), (желчный пузырь), and (печень).
- 4** The oral cavity is the cavity of mouth, irregular in shape; it contains the (язык), (зубы) and the (слюнные железы).
- 5** The muscular (диафрагма) separates the (грудную полость) from the (брюшной полости) where most of the digestive organs are located.
- 6** The small intestine is composed of the (двенадцатиперстная кишка), (тощая кишка) and (подвздошная кишка).
- 7** The last part of the alimentary canal is the large intestine divided into the (слепую), (ободочную) and (прямую кишку).
- 8** The function of the (печень) is to metabolize chemicals.
- 9** The (почки) are the part of the excretory system; they serve as filters which separate the (мочу) from the (крови).
- 10** The (желчный пузырь) is a small organ where the bile produced by the (печень) is stored.
- 11** The (поджелудочная железа) secretes pancreatic juice containing different digestive enzymes into the (тонкий кишечник), and hormones into the blood.

The Respiratory System

Task 2. Substitute the Russian words in brackets for the English ones:

- 1** The (легкие) are the main organs of (дыхания).
- 2** Each (лёгкое) has the (верхушку), (основание), two (границы) and three (поверхности).
- 3** The (легкие) are separated from each other by the (средостением).
- 4** The structure of the (легкого) consists of an external (серозной оболочки), the (висцерального слоя плевры), a subserous elastic tissue and the parenchyma or (собственно вещества легких).
- 5** The (легкие) have many (капилляров) with the total surface of about 80 square metres.
- 6** This particular structure of the lungs enables the (обмен газов) between the alveolar air and the (кровью).
- 7** Elastic fibres of (соединительной ткани) composing the walls of the alveoli, alveolar passages and the (висцеральную плевру) enable the (легким) to dilate.
- 8** (Дыхание) consists of rhythmically repeated (вдохов) and (выдохов).
- 9** The mechanism of respiration regulation is controlled by the (корой головного мозга).

10 In the (*продолговатом мозге*) there is a (*дыхательный центр*).

11 (*Сон*) is accompanied by (*замедлением дыхания*).

The Cardiovascular System

Task 3. Substitute the Russian words in brackets for the English ones:

1 The cardiovascular system is the system of (*кровообращения*).

2 The (*сердце*) is the centre of the (*системы кровообращения*).

3 The (*сердце*) lies in the (*грудной полости*), just behind the (*грудиной*) and between the (*лёгкими*).

4 The (*основание сердца*) is against the third rib.

5 The (*сердце*) consists of two separate (*камер*) divided by the (*перегородкой*).

6 Each of the (*камер*) has two connected parts: the (*предсердие*) and (*желудочек*).

7 (*Предсердно-желудочковые*) valves separate the (*предсердия*) from (*желудочков*).

8 (*Мышечная*) structure of the (*сердца*) consists of (*фиброзных пучков*) divided into two groups.

9 The (*сосуды*) carrying blood to and from the tissues of the body compose the (*большой круг кровообращения*).

10 The (*малый (легочный) круг кровообращения*) is formed by (*сосудами*) carrying (*кровь*) to and from the (*легких*).

11 The smallest (*артерии*) are the arterioles and these finally divide into (*капилляры*).

12 The (*кровь*) is composed of plasma and (*форменных элементов*).

Grammar

Passive Voice: Simple Tenses

Task 4. Complete the sentences with the verbs in brackets in the correct tense form (Present Simple, Past Simple or Future Simple) Active or Passive:

1 You (to get) knowledge from books, but skills can only be developed through practice.

2 Doing this exercise students (to practice) using the past tense.

3 The new diagnostic method (to present) at the conference last Tuesday.

4 If the doctor wants to see you again, a new appointment (to make) next month

5 Last year students (to give) a certificate on successful completion of the course.

6 COVID-19 is a disease which (to speak of) a lot nowadays.

7 This device (to use) for diagnostic purposes in the nearest future.

8 I (to work) late last night to complete the class assignment.

9 All kinds of medical treatment (to provide) in our hospital.

10 Biochemistry (to teach) in the second year of study.

Task 5. Make the active sentences passive:

1 She sent that email earlier.

2 This doctor usually examines his patients carefully.

3 He delivers lectures in Biology.

4 I will make a report at the conference next week.

5 The teacher gave the highest mark to Mandy.

6 The laboratory found traces of the drug in the blood sample.

- 7 The nurse always applies antiseptic cream to minor cuts to prevent infection.
- 8 The teacher corrected grammar, spelling, and vocabulary mistakes.
- 9 The students always revise all the rules for the test.
- 10 They will perform a lot of neurosurgical operations.
- 11 The scientist performed an experiment in the lab yesterday.
- 12 The laboratory will do this test next week.
- 13 The doctor prescribed some drops to treat my ear infection.
- 14 The tricuspid valve separates the atrium and ventricle in the right chamber.
- 15 We call three main types of blood vessels arteries, veins and capillaries.

Task 6. Ask questions to the underlined words:

- 1 **This hospital** was founded **in 1891**.
- 2 We were given **the textbooks** in **early September**.
- 3 **The diagnosis** will be made **after doing lab tests**.
- 4 **He** is often asked at the **English** lessons.
- 5 **The date of the meeting** was changed **unexpectedly**.
- 6 **His** language skills were improved **at the English class**.
- 7 **Excellent** sports facilities are offered **for the students**.
- 8 The first textbook **on human anatomy** was written **by Vesalius**.
- 9 Many **anatomical terms** will be memorized by **the first-year** students
- 10 **Oxygen** is transported **to tissues** by **red** blood cells.
- 11 **During the exam** students will be asked **some questions**.
- 12 Penicillin was discovered **by Fleming**.

Task 7. Arrange the words in the correct order to make up questions:

- 1 What/were/treatment/used/methods?
- 2 this/is/ disease/caused/What/virus/by?
- 3 was/to/prescribed/What/medicine/you?
- 4 were/students/to do/What /the/asked?
- 5 he/hospital/taken/What/was/to?