**Учебная дисциплина:** Английский язык 1 курс

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**№1 . Translate the text. Перевести текст.**

**The nature of electricity .**

The ancient Greeks knew that when a piece of amber is rubbed with wool or fur it achieves the power of attracting light objects. Later on the phenomenon was studied, and, the word electric, after the Greek word 'electron", meaning amber was used. Many scientists investigated electric phenomena, and during the nineteenth century many discoveries about the nature of electricity, and of magnetism, which is closely related to electricity, were made. It was found that if a sealing-wax rod is rubbed with a woolen cloth, and, a rod of glass is rubbed with a silken cloth; an electric spark will pass between the sealing-wax rod and the glass rod when they are brought near one another. Moreover, it was found that a force of attraction operates between them. An electrified sealing-wax is repelled, however, by a wax rod, and also an electrified glass rod is repelled, by a similar glass rod. The ideas were developed that there are two kinds of electricity, which were called resinous electricity, and that opposite kinds of electricity attract one another, whereas similar kinds repel one another.

**2. Answer the following questions:**

1. When was found electric phenomena? 2. What does a force of attraction mean? 3. What kinds of electricity are there? IV. Supply some, any, no, where required 1. ... pupils went to the river, ... to the woods. 2. ... of my friends live in Moscow. 3. ...Have you ... English dictionaries? 4. Is there ... ink in the inkstand? Yes, there is... 5. Bring ...chalk, please. 6. There is ... chalk in the box. 7. Is there ... milk in the jug? Yes, there is

**3. Fill in blanks with the Past Progressive or the Past Simple Tense of the verbs in margin.** 1. We ... to a lecture yesterday at ten o'clock. (**listen )**

2. She ... the piano from 11 till 12 o'clock**.( play)**

3. When he ... in, I ... my exercises.( **come, do)**

4. What ... you yesterday at 8 o'clock? ( **do)**

5. Yesterday when I ... the newspaper, my sister ... to a concert over the radio. (**read, listen 36 6.)** She ... out of the window when I ... her. **(look, see)**

7. I ... along the street with my friend when the car ... by. **(walk).**

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**№ I. Translate the text. Перевести текст.**

**What is electricity?**

Have you ever gotten a shock when you touched a doorknob, or seen sparks fly when you combed your hair? That's electricity. Electricity is a type of energy that gives things the power to work. This energy comes from electrons. Scientists have learned how to use electrons to produce electricity. I. Classes of electricity. The study of electricity may be divided into three classes or branches: magnetism, electrostatics, and electrodynamics. Magnetism is the property of the molecules of iron and certain other substances through which they store energy in a field of force because of the arrangement movement of the electrons in their atoms. Electrostatics is the study of electricity at rest, or static electricity. Examples of this type of electricity are charges on condenser plates. Rubbing glass with silk produces static electricity. Electrodynamics is the study of electricity in motion, or dynamic electricity. The electricity which flows through wires for light and power purposes is a good example of latter type of electricity. 36 II. Write out from the text the sentences with verbs in the form of the Participle or the Gerund or the Subjunctive mood.

**2.Translate the text:** Оборудования работающего на основе использования возобновляемых источников энергии для автономного тепло- и электроснабжения частных домов и зданий. С его помощью можно частично или полностью покрыть энергозатраты практически любого объекта. - солнечные вакуумные водонагреватели для круглогодичного производства горячей воды - ветрогенераторы для выработки электроэнергии. - солнечные фотоэлектрические батареи и товары на их основе – зарядные устройства, фонари. - энергоэффективные светодиодные лампы.

**3. Fill in the blanks with the articles (a, an, the) where necessary.**

We live in ... nice flat ... new house near ... park. ... flat is on … second floor. There are ... two rooms in it. We have also ... kitchen and … bathroom. ... kitchen is ... big enough. As ... rule, my mother cooks for us. We spend ... lot of ... time together in ... kitchen. There is ... TV set in ... corner of ... kitchen, and we often watch ... TV there.

**4.Переведите предложения.** 1 .The soldier is now at his post. 2. The man did his best to get a better post.3.I will send you the book by post. 4. The wooden gate was supported by two metal posts