Exercise 2. Read and translate the following text.

electronic devices. Electricity from batteries keeps our cars running and homes, cooks our food, powers our computers, television sets, and other Electricity figures everywhere in our lives. Electricity lights up our

Text 1. Electric current

Here's something you can do to see the importance of electricity. makes our flashlights shine in the dark.

on electricity. be amazed at how many things we use each and every day that depend the different appliances, devices and machines that use electricity. You'll Take a walk through your school, house or apartment and write down all

work? Before we understand that, we need to know a little bit about at-But what is electricity? Where does it come from? How does it

oms and their structure.

particles. The three main particles making up an atom are the proton, the All matter is made up of atoms, and atoms are made up of smaller

neutron and the electron.

Electrons contain a negative charge, protons a positive charge.

ment. An atom is a single part that makes up an element. There are 118 There are many different kinds of atoms, one for each type of ele-Neutrons are neutral - they have neither a positive nor a negative charge.

essential to life. different known elements that make up every thing! Some elements are

numbers are the same, the atom is called balanced, and it is very stable. electrons usually needs to be the same as the number of protons. If the trons. But no matter how many particles an atom has, the number of Each atom has a specific number of electrons, protons and neu-

The element with six protons and six electrons is called carbon. Carbon So, if an atom had six protons, it should also have six electrons.

planets, and the food we eat. Coal is made of carbon; so are diamonds. is found in abundance in the sun, stars, comets, atmospheres of most

An atom that gains electrons has more negative particles and is negaloses electrons has more protons than electrons and is positively charged. Some kinds of atoms have loosely attached electrons. An atom that

tively charged. A 'charged' atom is called an 'ion'.

UNIT I, ELECTRIC CURRENT.

conduct – проводити струм electric current – електричний струм Electricity - enekrpnka Exercise 1. Read, practice and learn the following words and word

stable - постійний соптаіп - вміщувати ратіісіе – елементарна частка

нотофп – потото

alternating current – змінний струм direct current - nocrinnnn crpym insulator – ізолятор (непровідник)

роwег supply – джерело живлення

potential difference – різниця потенціалів

rubber – ryma

tightly – щльно

sonice – джерело

Пом - потік; текти

qsthr - redms

esmns - bnomsib

сягрои – вуглець

кнніжкт – поітэвтітв

measure – вимірювати

кіск оff – відштовхувати

аттапде – розташовувати

flashlight - nixrapnk

е в сетт в призапсе – електричний побутовий прилад

райету – батарея (акумуляторна), акумулятор

resistance - onip

пециоп – нейтрон

Hoi − noi

electron – електрон

conductor – провідник

charge - sapan

таттег – речовина

mations.

TYPES OF ELECTRIC CIRCUITS