1. **Power Transmission**
2. A transformer is an electrical device by which the electromotive force of a source of alternating current may be increased or decreased. They are widespread in long distance power transmitters and receivers, television. Nearly all transformers come under one of the two following classes: step-up and step-down transformers. In the transmissions of electrical energy over wires for long distance, transformers are practically indispensable.
3. At the power house in the distant mountains, electric current is generated by huge alternating generator at the low voltage of several thousand volts. If an attempt was made to transmit this electrical energy, at a voltage of 2,200 volts, over many miles to a distant city, the current would be so large that nearly of the energy would be consumed in heating the power line. To avoid large heat losses, transformers at the power house step the voltage up to some 220000 volts before switching the current onto the power line.
4. At the city end of the power line, a transformer substation steps the voltage down to its original value of 2200 volts. From there branch lines distribute the power to various section of the city where smaller transformers step it down again to the relatively safe voltage of 110 to 220 volts.
5. **Образуйте с помощью суффиксов слова**

Generate; relate; transmit; transform; receive; distant; consume; volt; differ.

1. **Определите видовременную форму глагола**
2. We have read the text about power transmission.
3. It is very difficult to translate.
4. The students are learning the new words.
5. Au transformers worked well.
6. An operator will examine this electric device.
7. Branch lines distribute the power to various cities.
8. Workers built the new power station some time ago.
9. It generates the electrical energy.