Power lines

Task 1. Work at pronunciation

Enough	Достаточно
Power plant	Электростанция
To encounter	Сталкиваться
Step-up transformer	Повышающий трансформатор
Step-down transformer	Понижающий трансформатор
To distribute	Раздавать, распространять
Frequency	Частота
To suspend	Приостанавливать, откладывать

Task 2. Pronounce the words.

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Task 3. Read the text. Fill in the gaps. Use the hints below.

Power lines are wires that conduct _____to another place. In electrical engineering is used aluminium (it has low cost). Many of power lines

have transformers. The voltage of the power at the end is usually 100V (Japan), 120V (North and Central America, parts of South America and Africa, and Saudi Arabia), or 220-240V (most of the rest of the world), but is much higher while going through the electric power transmission lines. _____at the end is then safe enough to be used when stepped-down by a transformer.

The power is made at a power plant. Then the power is sent through the power lines, sometimes it encounters spots that it cannot go through. Then it will need to raise its voltage with a step-up transformer. The act is called "stepping up". Where the electric power distribution reaches buildings, this voltage is too dangerous to be used, so it goes through a step-down transformer. This is called "stepping down". Then the electricity can be distributed to_____. The line efficiency depends on the load. The greater the load the lower is the line efficiency.

There are different types of power lines: phone lines, radio frequency lines, DC lines, single-phase AC lines, three-phase AC power lines.

An overhead power_____ is a structure used in electric power transmission and distribution to transmit electrical energy across large distances. It consists of one or more uninsulated electrical cables (commonly multiples of three for three-phase power) suspended by towers or poles.

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buildings
line
The power
Electricity