Power systems and electric power consumers

Task 1. Work at pronunciation

Power system	Энергетическая система
Power plant	Электростанция
Consumer	Потребитель
To supply	Поставлять, снабжать
Mine	Шахта
Dwelling house	Жилой дом
To charge	Заряжать
Subway	Метро

Task 2. Pronounce the words.

Power system	Энергетическая система
Power plant	Электростанция
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Task 3. Read the text. Fill in the gaps. Use the hints below.

Power system is the sum of the electric_____, the networks and the power utilizing devices of the consumers. It is a network of electrical components used to supply, transfer and consume electric power. A power system generates and distributes electricity for domestic and commercial use. It uses different forms of energy, mainly gas or diesel, in order to produce electricity. Large industrial areas are supplied from electric _____fed by electric power plants. The electric power consumer is an enterprise utilizing electric power.

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There are four groups of electric power consumers. To the first group belong industrial consumers (mines, industrial plants). The second group includes municipal consumers with predominant lighting load (hospitals, theatres, dwelling houses, street lighting systems). _____is used in the residential sector for space heating and cooling, water heating, lighting, appliances and electronics. Operating characteristics of different electric power consumers vary during the hours of day, days of week, days and nights, seasons. Electricity demand in the residential sector tends to be the highest in the evenings, when lights are turned on. To the third group belong agricultural _____(electrotractors). The fourth group includes transport (electrified railways). These vehicles include battery-powered electric cars and plug-in hybrid electric cars that store power from the grid when they charge their batteries, various types of electric vans, trucks and buses, subway.

The building up of a power system is very important for national economy.

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consumers

Electricity

networks

power plants

LIVEWORKSHEETS