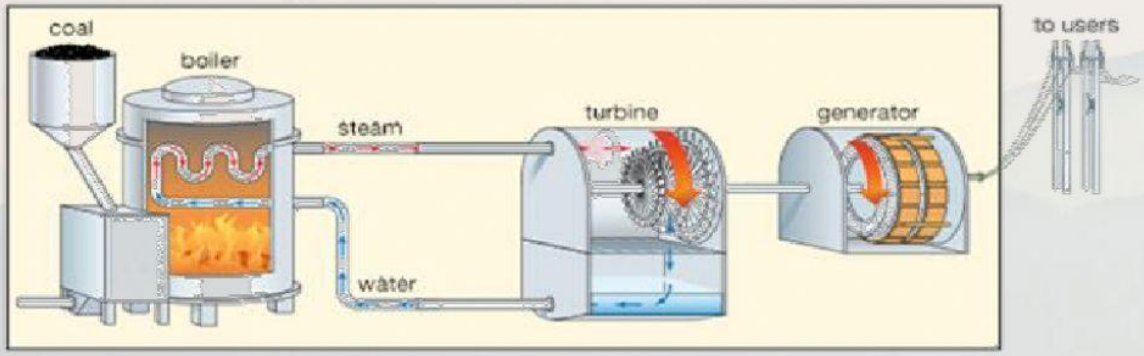
Electricity

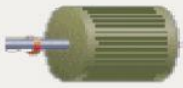
Use your text book page 296-297 to answer the questions

of electrical energy used in US is produced by burning

The conversion of energy at a coal-fired power plant



Complete the table ?

Part of power station	What happens here?	What energy transfer happens here?
Furnace	Coal is	energy in the coal → energy
Boiler	Water is heated and turned into	Thermal energy → energy of the moving steam
Turbine	Steam on the blades of the turbine and turns it around	Kinetic energy of the moving steam and the turbine
Generator 	A coil is inside a magnetic field and an electric is produced	energy of the moving coil → energy in wires

pushes / kinetic / heat (or thermal) / turned / Mechanical / electrical / burned / steam / current /chemical

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