SPH3U 11.1 Electrical Energy and Power Plants

1. Electrical power

Electricity:	the movement of charge.	
Electrical power:	the rate of transformation of electrical energy	γ.
equation	P=※=禁 Units:W (Watts).	•

Calculate the power to charge a cellphone if 740 J of energy is transferred in 1.0 min.

Calculate the energy needed by a 35 W halogen light bulb that operates for 240 h. Give your answer in both joules and kilowatt hours.

Homework: page 507: #2-4