



# Task 1

Complete the table by calculating the power used by each of the following devices when plugged into the mains:

Appliance	Voltage (V)	Current (I)	Power (I x V)
Vacuum cleaner	230 V	9 A	W kW
Kettle	230 V	10 A	W kW
Games console	230 V	0.7 A	W kW
Television	230 V	2.2 A	W kW
Slow cooker	230 V	0.9 A	W kW





# Task 2

Use your power calculations to work out the energy used by each of the following devices for the given usage times:

Appliance	Power (kW)	Usage time (hours)	Energy (kWh)
Vacuum cleaner	2.07 kW	1 hour	kWh
Kettle	2.3 kW	0.25 hours	kWh
Games console	0.161 kW	3 hours	kWh
Television	0.506 kW	4 hours	kWh
Slow cooker	0.207 kW	10 hours	kWh

