1. What is the unit and symbol for power?
2. What are the three equations used to calculate electrical power?
3. What is the unit and symbol for electrical energy for small applications?
4. What is the unit and symbol for electrical energy for large applications?
5. What is the equation used to calculate electrical energy?

Examples P=IV

1. The current through a resistor is 0.1 A and the voltage drop across the same resistor is 1.5 V. What is the power dissipated by the resistor?
2. Standard household electricity is 110 V. What is the current drawn by a 60 W light bulb?

Examples P=I2R

1. A 10 Ω resistor draws a current of 0.2 A. What is the power dissipated by the resistor.
2. A 1000 watt hair dryer draws a current of 5 amps. What is the resistance of the hair dryer?

Examples P=V2/R

1. Clothes dryers are typically wired into a 220 V circuit. What is the resistance of a 1200 watt dryer?
2. If the same clothes dryer is wired into a 110 V circuit, what will its effective power be?

Examples ΔE= PΔt

1. 1 kWh (Kilo-Watt-Hours) is equal to how many Joules (J)?