Name:_		
Blk:	Date:	

Science 9

9.2 The Power of Electricity			
Power is the rate of, the rate at which work is done.			
Power is measured as units of energy (()) per second, 1 joule per second is 1()			
Electrical power is the rate of change in electrical energy. For example, a 25 W fluorescent bulb converts joules per second of electrical energy into other forms			
CAUTICN and the factor of the control of the contr			
Calculating Power and Energy Consumption:			
Power = ×			
Symbols: $(\underline{\textbf{E}}) = (\underline{\ \ }) \times (\underline{\ \ \ })$ Units: $(\underline{\textbf{J}}) = (\underline{\ \ \ }) \times (\underline{\ \ \ })$			
Therefore, if you know the voltage a device is connected to, and how much current flows in it, you can calculate the of the device			
Knowing how the device is used allows you to calculate how much energy it consumes.			

Paying for Electricity: A Larger Unit for Energy

A joule is a very small amount, so the energy supplied to the home is usually calculated in much _______ are used

Instead of using seconds - _____ are used

The company keeps track of ______



Paying Your Power Bill

When the power company has determined how many
you have used, they then bill you by multiplying how much
you have used by the
The power company keeps track of your energy usage by reading your