Electricity cost worksheet	Name		1. Which object costs the most to run?
Purpose: Determine how much different appliances cost to run.			2. Why are the voltages the same on the objects?
 Find 4 objects beyond the 2 given that use electricity. Put them in the chart. Use information given on the object or its power source to fill in some blanks. Calculate the missing information using Ohm's or Watt's Laws. Use \$0.080 per Kilowatt-hour for the cost of electricity. 			
Object 60 w Light bulb	Object_200 w Refrigerator_		
Current =A	Current =A		3. How much does it cost to run a 60 W light bulb for 6 hours?
Voltage = 120 V	Voltage = 120 V		
Resistance = ohms	Resistance =ohms		
Power = watts = kilowatts	Power =watts =	_kilowatts	4. If the reading on your house's electric meter in March was 3456 and in April was 4566, how much electrical energy(in kW-hr and Joules) was used in the 1-month period?
Cost to run for 24 hrs. = \$	Cost to run for 24 hrs. = \$		
Object	Object		
Current =A	Current =A		
Voltage = V	Voltage =V		
Resistance = ohms	Resistance =ohms		5. How much would the electrical bill be for the people living in that house?
Power = watts =kilowatts	Power =watts =	_kilowatts	
Cost to run for 24 hrs. = \$	Cost to run for 24 hrs. = \$		
Object	Object		
Current =A	Current =A		6. Find the cost to pop popcorn in a 1200-watt microwave oven, if you make microwave popcorn in 5
Voltage =V	Voltage =V		minutes.
Resistance = ohms	Resistance =ohms		
Power =watts =kilowatts	Power =watts =	_kilowatts	
Cost to run for 24 hrs. = \$	Cost to run for 24 hrs. = \$		