Electricity Usage. Name: _____Form: _____ Partner: _____Form: _____

Electricity is delivered to our homes via a meter box. The equipment in the meter box measures how much electrical current flows into our homes. This information is read by the power company's employees and then we are billed for the amount of energy that we used. Electrical energy supplied by the power companies is measured in kilowatt-hours. Your last bill should state how much your electricity costs: it will be about **28 cents per kilowatt-hour**. To get a reasonable reading, leave at least 3 days between readings.

Your Results. (Try to get a reading during weekdays and a period covering the weekend)

My oven uses _____ (gas or electricity) and my hot water system uses _____ (gas or electricity).

Day	Date	Time (try to do it at the same time of the day)	Meter reading	Days of sample (eg. Mon-Thur)	Number of days	Kilowatt-hours used	Cost per kilowatt-hour (set by the company)	Total Cost	Cost per day
				-	-	-	-	-	-

Your partner's results. Hot Water Service: gas or electricity?   Oven: gas or electricity?

Day	Date	Time	Meter reading	Days of sample (eg. Mon-Thur)	Number of days	Kilowatt-hours used	Cost per kilowatt-hour (set by the company)	Total Cost	Cost per day
				-	-	-	-	-	-

1. How did your usage compare to your partner's? How can you account for the differences?
   _____
   _____
   _____

2. What are some of the problems with using too much electricity?
   _____
   _____

3. Write down some practical measures you could take to reduce your electricity usage? Remember, we don't want to return to the Middle Ages, so don't write things like "we can use candles instead of electric lights"; electricity is there to be used!
   _____
   _____
   _____

Practice Run. Do these examples before you start.

Day	Date	Time (try to do it at the same time of the day)	Meter reading	Days of sample (eg. Mon-Thur)	Number of days	Kilowatt-hours used	Cost per kilowatt-hour (set by the company)	Total Cost	• Cost per day
Mon	26/6	6 pm	0456709	-					• -
Wed	28/6	6pm	0456725						•
Sat	31/6	6pm	0456753						•

This is how it will look to begin with.

Day	Date	Time (try to do it at the same time of the day)	Meter reading	Days of sample (eg. Mon-Thur)	Number of days	Kilowatt-hours used	Cost per kilowatt-hour (set by the company)	Total Cost	Cost per day
Mon	26/6	6 pm	0456709	-	-	-	-	-	-
Wed	28/6	6pm	0456725	Mon-Wed	2	16	0.28	$4.48	$2.24
Sat	31/6	6pm	0456751	Wed-Sat	3	26	0.28	$7.28	$2.43

This is how you calculate the results.

Day	Date	Time (try to do it at the same time of the day)	Meter reading	Days of sample (eg. Mon-Thur)	Number of days	Kilowatt-hours used	Cost per kilowatt-hour (set by the company)	Total Cost	Cost per day
Mon	23/7	7 pm	568942	-	-	-	-	-	-
Thur	26/7	7 pm	568975						
Sun	29/6	7 pm	569004						

Day	Date	Time (try to do it at the same time of the day)	Meter reading	Days of sample (eg. Mon-Thur)	Days	Kilowatt-hours used	Cost per kilowatt-hour (set by the company)	Total Cost	Cost per day
Mon	3/6	8 pm	0235689	-	-	-	-	-	-
Wed	5/6	8 pm	0235714						
Sat	8/6	8 pm	0235733						