

Name: _____ Pd: _____ Date: _____

Compare the four PGE invoices and after studying each, answer the following questions.

1. What does PGE stand for?
2. Does PGE charge for power *or* energy?
3. How do you know?
4. What unit of energy does PGE use to measure its customer's energy usage? (Do not abbreviate.)
5. What are the approximate dates for each invoice?
6. Of the monthly invoices, which year did the McD's use the *most* energy?
7. How much energy was used during the month of that year?
8. What was the "Average kWh Per Day" used during that month?
9. What was the "Average Cost Per Day" for that month?
10. Of the monthly invoices, which year did the McD's use the *least* energy?
11. How much energy was used during the month of that year?
12. What was the "Average kWh Per Day" used during that month?

13. What was the “Average Cost Per Day” for that month?
14. According to the 2006 invoice, which month did the McD’s use the *most* energy?
15. What was the average kWh/day used in that month?
16. Assuming a month is 30 days, how much *total* energy was used in that month? **Show work!**
17. According to the 2006 invoice, which month did the McD’s use the *least* energy?
18. What was the average kWh/day used in that month?
19. Assuming a month is 30 days, how much *total* energy was used in that month? **Show work!**
20. According to the 2007 invoice, which month did the McD’s use the *most* energy?
21. What was the average kWh/day used in that month?
22. Assuming a month is 30 days, how much *total* energy was used in that month? **Show work!**
23. According to the 2007 invoice, which month did the McD’s use the *least* energy?
24. What was the average kWh/day used in that month?

25. Assuming a month is 30 days, how much *total* energy was used in that month? **Show work!**
26. According to the 2008 invoice, which month did the McD's use the *most* energy?
27. What was the average kWh/day used in that month?
28. Assuming a month is 30 days, how much *total* energy was used in that month? **Show work!**
29. According to the 2008 invoice, which month did the McD's use the *least* energy?
30. What was the average kWh/day used in that month?
31. Assuming a month is 30 days, how much *total* energy was used in that month? **Show work!**
32. According to the 2009 invoice, which month did the McD's use the *most* energy?
33. What was the average kWh/day used in that month?
34. Assuming a month is 30 days, how much *total* energy was used in that month? **Show work!**
35. According to the 2009 invoice, which month did the McD's use the *least* energy?
36. What was the average kWh/day used in that month?

37. Assuming a month is 30 days, how much *total* energy was used in that month? **Show work!**
38. After studying all four invoices' graphs provided, is there any pattern among months of the year for the McD's energy usage? (Is there a month/s where energy usage tends to be high or low?)
39. What rate did PGE charge for energy in 2006? **Show all work** and make sure your answer includes **units**.
40. What rate did PGE charge for energy in 2007? **Show all work** and make sure your answer includes **units**.
41. What rate did PGE charge for energy in 2008? **Show all work** and make sure your answer includes **units**.
42. What rate did PGE charge for energy in 2009? **Show all work** and make sure your answer includes **units**.
43. Using the most current rate that PGE charges for energy, determine the following: a laptop computer uses 120 V and draws 1.5 amps and is used for 5 hours everyday for one week (7 days). How much will PGE charge you for the energy used (how much will this cost)?