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Energy Surge System Quiz

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Question Pool for Energy IQ Quiz

Correct answers are typed in **bold**. The existing five questions in the pool can still be used, in addition to these. Any text in parentheses is just explanations for the answers.

- Which of these activities would save the most energy?
 - Hang drying clothes instead of using the dryer
 - Opening a window instead of using ceiling fans
 - Hand washing dishes instead of using the dishwasher**
 - Letting daylight in the living room instead of using lights
- The water heater uses as much power as how many televisions?
 - Two**
 - Three
 - Four
 - Five
- If everything upstairs is turned on, how many watts are used?
 - 0
 - 150
 - 350**
 - 500
- How much money does it cost to run the oven for an hour?
 - \$43.20
 - \$0.12**
 - \$3.50
 - \$0.35
- How much money does it cost, per day, to keep the fridge on all day?
 - \$64.80
 - \$32.40
 - \$0.77
 - \$2.16**
- True or False: It is cheaper to run the laptop all day than to run the desktop computer for ten hours.
 - True
 - False**
- True or False: You can run two lamps for less money than the television and DVD player together
 - True**
 - False
- Making a pot of coffee, then keeping the warmer on for four hours total, costs how much money?
 - \$0.43** (four hours of coffee maker usage)

- b. \$0.31
 - c. \$1.02
 - d. \$0.11
9. Running a load of laundry for an hour, using hot water, uses how much energy?
- a. 500 watts
 - b. **1000 watts** (water heater + washing machine)
 - c. 900 watts
 - d. 1200 watts
10. How much energy does it take to run all the electronics in the bedroom?
- a. 120 watts
 - b. 200 watts
 - c. **260 watts**
 - d. 250 watts
11. True or False: We all have a responsibility to reduce our energy footprint.
- a. **True**
 - b. False
12. Which appliances use less energy at night than during the day?
- a. Overhead lights
 - b. Dishwasher
 - c. Water Heater
 - d. **None of the above** (trick question)
13. How much does it cost to keep a bedside clock running 24 hours per day, every day, for a year?
- a. \$0
 - b. \$1.73
 - c. \$9.84
 - d. **\$10.37**
14. If an energy saving bulb needs only one-third as much energy as a standard bulb, and you replaced all the overhead bulbs in the dining room, how much money would you save per year, assuming 8 hours per day of operation?
- a. \$51.84
 - b. \$10.61
 - c. \$17.28
 - d. **\$34.56** (Standard bulbs = \$51.84, divided by three for energy saving bulbs = 17.28, so 51.84-17.28=34.56)
15. If the old refrigerator was replaced with a new EnergyStar model that uses $\frac{1}{3}$ as much power, how much money would be saved per year?
- a. \$576.80
 - b. **\$518.40**
 - c. \$192.74
 - d. \$400.64