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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.

1. Which of these activities would save the most energy?
    a. Hang drying clothes instead of using the dryer
    b. Opening a window instead of using ceiling fans
    c. Hand washing dishes instead of using the dishwasher
    d. Letting daylight in the living room instead of using lights
2. The water heater uses as much power as how many televisions?
    a. Two
    b. Three
    c. Four
    d. Five
3. If everything upstairs is turned on, how many watts are used?
    a. 0
    b. 150
    c. 350
    d. 500
4. How much money does it cost to run the oven for an hour?
    a. $43.20
    b. $0.12
    c. $3.50
    d. $0.35
5. How much money does it cost, per day, to keep the fridge on all day?
    a. $64.80
    b. $32.40
    c. $0.77
    d. $2.16
6. True or False: It is cheaper to run the laptop all day than to run the desktop computer for ten hours.
    a. True
    b. False
7. True or False: You can run two lamps for less money than the television and DVD player together
    a. True
    b. False
8. Making a pot of coffee, then keeping the warmer on for four hours total, costs how much money?
    a. $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 ⅓ as much power, how much money would be saved per year?
    a. $576.80
    b. $518.40
    c. $192.74
    d. $400.64