



Energy Tutorial: Energy Usage

Activity: energy quiz

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ENERGY QUIZ

Have a go at these energy quiz questions and see how many you can get right. The answers can be found on the last page. It will surprise you how much energy we waste every day!

Questions

1. How much would you have to turn your heating thermostat down by to save 10% off your annual heating bill?



A) 1°C	B) 3°C	C) 5°C
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2. What percentage of an average home's annual electricity bill is due to appliances being left on stand-by?



A) 2-3%	B) 8-10%	C) 14-16%
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3. Setting your washing machine to 30°C instead of 60°C would save you how much electricity per typical wash?



A) 20%	B) 30%	C) 40%
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4. Replacing a 100W light bulb with its low energy equivalent will save you how much electricity over the life time of the low energy bulb?



A) Around £15	B) Around £50	C) Around £100
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5. Which is the most energy efficient way to cook/heat a meal?



A) Microwave oven	B) Gas oven	C) Electric oven
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6. How many low-energy light bulbs would each UK household need to install to save enough energy to power all the street lighting in Britain?



A) 3 per household	B) 5 per household	C) 7 per household
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7. How much money could be saved per year across the UK if home appliances weren't left on stand-by?



A) Around £500k	B) Around £1m	C) Around £1b
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8. An average two-hour dryer cycle uses the equivalent energy of a 20W low energy light bulb burning for how many hours?



A) 5 hours	B) 50 hours	C) 500 hours
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9. How many dinners can be cooked with the energy wasted by a PC monitor left on overnight?



A) 2	B) 6	C) 10
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10. The energy we use at work in the UK causes how much carbon dioxide emissions per person per year?



A) 5 kg	B) 5 tonnes	C) 50 tonnes
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11. A PC left on 24 hours a day causes how much CO2 emissions per year?



A) 1 Kg	B) 100 Kg	C) 1 Tonne
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12. How much can an average family save per year by taking energy efficient measures?



A) £20	B) £200	C) £1000
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13. Which of the following uses the most energy?



A) Electric tooth brush	B) Television	C) Electric Heater
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14. What temperature should your water cylinder thermostat be set at?



A) 60°C	B) 70°C	C) 80°C
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Answers on the next page...

Answers

- 1) A 2) B 3) C 4) C 5) A 6) A 7) C 8) C 9) B
10) B 11) C 12) B 13) C 14) A