



Energy and Sweater Day Trivia Questions



Energy trivia questions

Q: How much of Canada's electricity is generated from wind, solar, and tidal sources combined?



A: 0.5% of all electricity generated



Energy trivia questions

Q: Which 4 Canadian provinces depend on the most on coal to generate electricity?



A: Alberta (74% of electricity used in AB); Saskatchewan (63%), Nova Scotia (60%), Ontario (18%)



Energy trivia questions

Q: Fact or fiction – preheating your oven is necessary to prepare your food properly



A: Fiction – preheating your oven is not necessary except for baking things that require exact temperatures and measurements (eg souffles). When preheating is necessary, 10 minutes is usually sufficient.



Energy trivia questions

Q: Fact or fiction – computers should be left on all the time to avoid wear and increase longevity



A: Fiction - Today's computers are designed to withstand 40,000 on-off cycles. It is no longer true that a computer's longevity is in jeopardy if it is powered down many times a day. Moreover you can save 700 kilowatt hours or 65% of your computer's annual energy use by powering it down at the end of each work day or if it won't be used for a couple of hours.



Energy trivia questions

Q: Fact or fiction - Screen savers do not save energy



A: Fact - Screen savers don't save energy at all: in fact, some elaborate ones use additional energy. They used to protect screens years ago but that's no longer the case.



Energy trivia questions

Q: Fact or fiction: Washing clothes in hot water is the only way to get clothes really clean



A: Fiction: You can greatly reduce the energy consumption of your washing machine by washing in cold water. Unlike dishwashers, washing machines can clean with great results in cooler water temperatures.



Energy trivia questions

Q: When is the best time to run large appliances on weekdays?



A: The best time is to wait until after 9 p.m. in the evening to run large appliances such as washing machines, clothes dryers and dishwashers. This is because night time is considered an 'off peak' time, which means using these appliances at night reduces the overall capacity required to meet high demand times.. Rates also differ, so there is a cost savings associated with the rates of electricity usage at off peak times.



Energy trivia questions

Q: What percentage of its heat does an oven lose each time you open the oven door?



A: When cooking or baking, the oven loses about 20% of its heat every time you open the door.



Energy trivia questions

Q: What percentage of your energy bill goes to heating your water?



A: 15% of a typical energy bill goes to heating water



Energy trivia questions

Q: Compact fluorescent lamps (CFLs) use what percentage less energy than standard incandescent light bulbs while delivering the same light output?



A: CFLs use 75 percent less energy and also have a much longer lifespan (they last 8 times longer than a traditional incandescent bulb).



Energy trivia questions

Q: What produces more emissions, 100 hours of operation from a power plant or 100 days worth of leaks from an average chilled foods fridge plant?



A: 100 hours of operation from a power plant (1615 t CO₂e) compared to 200 t CO₂e for leaks from an average chilled foods fridge plant



Energy trivia questions

Q: What produces more CO₂e, 100 cars in a year or 100 cows in a year?



A: 100 cars (523 t CO₂e) compared to 307 t CO₂e for 100 cows



Energy trivia questions

Q: What releases more CO₂e, exhaust from driving 2670 miles in a passenger car or exhaust from driving 581 miles in a tractor?



A: They both release 1 metric ton of CO_ee



Energy trivia questions

Q: Approximately what percent of commercial energy use in Canada is allocated to space heating?



A: Approximately 50%



Energy trivia questions

Q: The annual energy costs for Canada's commercial building sector are approximately:

- a) \$5.2 billion
- b) \$8.9 billion
- c) \$13.6 billion
- d) \$17.6 billion



A: (d) \$17.6 billion



Energy trivia questions

Q: What country has the greatest number of coal-powered generators?

- a) China
- b) USA
- c) India
- d) Canada



A: (a) China



Energy trivia questions

Q: The average Canadian home uses how many light bulbs?

- a) 19
- b) 32
- c) 41
- d) 55



A: (c) 41



Energy trivia questions

Q: What sector uses the greatest amount of electricity?

- a) Restaurant
- b) Commercial and industrial
- c) Government
- d) Residential

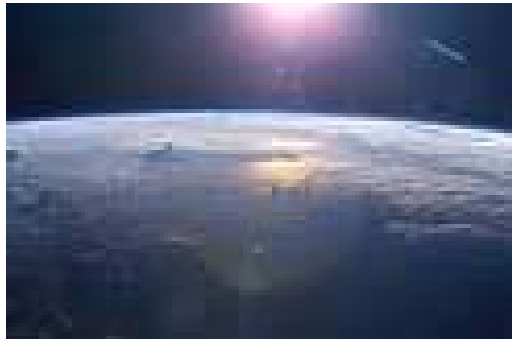


A: (b) Commercial and industrial



Energy trivia questions

Q: Which energy source contributes the greatest amount of carbon dioxide to the atmosphere?



A: Coal