

How many miles will be driven by motor vehicles over US Highways this year?

- a. Three million
- b. Three billion
- c. Three trillion
- d. Three quadrillion

Answer: c (how much gasoline would be saved if the average vehicle mileage increased just one MPG?)

How much of the world's lead supply is derived from recycled car batteries?

- a. 15%
- b. 50%
- c. 60%
- d. 95%

Answer: c In the US, about 1.5 million tons of used automotive (lead acid) batteries are generated each year. According to the University of Oregon, about 95% are recycled.

How many gallons of crude oil does it take to make one gallon of jet fuel?

- a. 1.5 gallons
- b. 5 gallons
- c. 7 gallons
- d. 10 gallons

Answer: d

Some other jet fuel trivia: the DOE estimates that it takes 77 gallons of fuel per passenger to fly from New York to Los Angeles. An automobile would consume about 120 gallons of fuel. Of course, it would be only 60 gallons if there were 2 passengers in the car.

According to the EPA, how much of the original wetlands in the US have been drained or converted to other uses:

- a. 90%
- b. 75%
- c. 50%
- d. 25%

Answer: c

Recycling a glass jar saves enough energy to power a 100 watt light bulb for how long?

- a. 45 minutes
- b. 2 hours
- c. 4 hours
- d. 2 days

Answer c.

EPA estimates that how many homes in the US have radon concentrations above 4pCi/l, the level at which the agency recommends taking action to reduce radon concentrations?

- a. 1 in 15
- b. 1 in 30
- c. 1 in 300
- d. 1 in 5000

Answer: a

Global warming is thought to be caused by:

- a. Ozone depletion
- b. Stratospheric ozone
- c. Carbon monoxide
- d. Carbon dioxide

Answer: d.

According to the Federal Motor Carrier Safety Administration, there are about 800,000 shipments of hazardous materials by truck per year. About how many of these are involved in accidents?

- a. 80,000 of which 8,000 are fatal
- b. 5,000 of which 200 are fatal
- c. 3,000 of which 100 are fatal
- d. 1,000 of which 50 are fatal

Answer: b

North Americans put 10 to 15 million tons of salt on the roads for de-icing every year. This amounts to what percent of the entire world's use of salt for all purposes?

- a. 1%
- b. 5%
- c. 10%
- d. 15%

Answer: c

If we recycled the 48 billion aluminum cans that we throw away each year in the US, we could save the equivalent of how much oil?

- a. 6 billion barrels per week
- b. 12 billion barrels per month
- c. 24 billion barrels per year
- d. 48 billion barrels per day

Answer: c

Atmospheric concentrations of the greenhouse gases carbon dioxide and methane have increased by about how much above pre-industrial levels in 1750?

- a. 31% and 149%
- b. 13% and 75%
- c. 7% and 25%
- d. both have actually dropped

Answer: a

The concentration of the greenhouse gas Carbon Dioxide has increased 1.8 ppm per year, over the past 20 years. According to Victor Miguel Ponce of San Diego State University, 75% of the increase is due to:

- a. Burning of fossil fuels
- b. Releases of CFC and HCFC refrigerants
- c. Natural causes
- d. Deforestation

Answer: a

Fluorescent lamp ballasts manufactured before what date are assumed to contain PCBs?

- a. January 1, 1984
- b. August 31, 1981
- c. July 2, 1979
- d. Lamp ballasts never contained PCBs

Answer: c (unless they are labeled by the mfg. No-PCBs)

Replacing a 100-watt incandescent with a 32-watt compact fluorescent lamp can save you at least how much money in energy costs over the life of the bulb?

- a. \$10
- b. \$20
- c. \$30
- d. \$40

Answer: c or d, it depends on how much your power costs and the lifespan of the lamp. CFLs typically last 10 times longer than incandescent lamps. See this website to calculate your savings:

<http://www.pathnet.org/si.asp?id=1934>

Which boils faster?

- a. Cold water
- b. Hot water
- c. There is no difference

Answer: b (of course). However, see this link for good reasons to always start with cold water.

<http://news.cincypost.com/apps/pbcs.dll/article?AID=/20070103/LIFE/701030340/1005>