

BLURT!!

The gases above the earth that trap heat from the sun are called what?

Green House Gases

Scientifically, carbon dioxide is represented by which of the following?

a) C_2O b) $2CO$ c) CO_2 d) $2OC$

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The effect whereby heat is trapped in the Earth's atmosphere is called what?

The Green House Effect

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The Kyoto Protocol was generated in what country?

Japan

Blurt!!

True or False : Climate change affects people all over the world.

True

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Which Green House Gas is the biggest contributor to Climate Change?

Carbon Dioxide

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Carbon Dioxide is generated by humans burning _____.

Fossil fuels

Green House Gases cause the Earth's temperatures to:

- a) increase
- b) decrease
- c) stay the same

Climate Change is causing what in the Arctic?

- a) melting glaciers
- b) endangering polar bears
- c) new species are appearing
- d) all of the above

True or False: Canada has signed the Kyoto protocol?

True

True or False: The United States had signed the Kyoto Protocol?

False

True or False: Our climate is changing.

True

True or False: It is more energy efficient to ride your bike to school rather than get a drive:

True

True or False: Some people would have to move to new places if the Earth if the average temperature was increased by 4-5°C.

True

Which of the following are happening as a result of Climate Change?

- a) melting glaciers
- b) extreme weather
- c) rising sea levels
- d) all of the above

True or False: Green House Gases are naturally occurring.

True

True or False: Green House Gases are not increasing because of human activity.

False

True or False: Green House Gases trap heat.

True

True or False: Scientists predict that if humans continue to produce lots of Green House Gases the Earth's temperatures could increase by as much as 9°C.

True

Which of the following is NOT a Green House Gas?

- a) carbon dioxide
- b) water vapour
- c) oxygen
- d) methane

A change in average weather over time is:

- a) green house gases
- b) climate change
- c) emissions
- d) carbon dioxide

The One-Tonne Challenge was created by:

- a) Japan
- b) Kyoto
- c) Government of Canada
- d) US government

On average, how many tonnes of Green House Gases does the average Canadian produce in a year?

- a)1
- b)11
- c) 5
- d)20

True or False: Human CO2 emissions are small compared with natural CO2 exchange.

True

Roughly how fast is the Arctic warming in comparison to the rest of the world?

- a) same
- b) half as fast
- c)twice as fast
- d)three times as fast

Green House Gases trap what?

- a) oxygen
- b) flies
- c) the cold
- d) heat

Renewable energy is something that:

- a) is used only once
- b) generates green house gases emissions
- c)can be used over and over without generating green house gas emissions
- d)is bad for the environment

What are scientists warning might become increased concerns in Britain:

- a) scorpions
- b) sharks
- c) west-Nile virus
- d)all the above

True or False: Cows are guilty of speeding up global warming.

True

Which country has the highest CO2 emissions per capita?

- a) Canada
- b) Kuwait
- c) US
- d) United Arab Emirates

In what year did a freezing rainstorm in Eastern Ontario and Montreal result in ice "as thick as a person's wrist" covering wires and trees?

- a) 2005 b) 2000 c) 1998 d) 1990

Which of the following is likely to occur as the climate changes?

- a) droughts in some regions, floods others
b) ecosystems shift to the North
c) sea ice would be thinner
d) all of the above

Where did Canada actually sign the Kyoto protocol?

- a) Kyoto, Japan
b) Bonn, Germany
c) New York, USA
d) Ottawa, Canada

There are many things you can do at home to reduce your energy consumption. For example, by switching your incandescent bulbs to fluorescent, your lights become:

- a) dimmer b) more efficient c) less efficient
d) useless, you can't buy fluorescent bulbs that work in regular sockets

The most efficient speed to drive your car at is:

- a) 90 km/h
b) 50 km/h
c) 110 km/h
d) 30 km/h

The Green House Effect is:

- a) something to do with growing vegetables
b) a necessary thing for life on Earth
c) the result of human activity
d) a threat to animal life on Earth

Which of the following is the greatest contributor to climate change?

- a) carbon dioxide
b) ozone
c) methane
d) halocarbons

Transportation accounts for approximately what share of Canada's greenhouse gas emissions?

- a) 10% b) 20% c) 30% d) 40%

Products made from recycled materials:

- a) require up to 40% less energy to make
b) are always more expensive
c) are not available at shopping centres
d) require up to 40% more energy to manufacture

True or False: it is best to keep your car running when waiting for someone.

False

True or False: Taking unneeded stuff out of the trunk will make your car more efficient.

True

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A greenhouse gas that comes from rotting garbage is

_____.
Methane

Which of the following are two fossil fuels.

- a) coal and oil
- b) fossils and bones
- c) coal and dirt
- d) snow and rain

Which of the following will happen if the world gets warmer:

- a) people will be more comfortable
- b) the world will be cleaner
- c) sea levels will rise
- d) polar bears will be happy

When the Earth starts to heat due to greenhouse gases we call it...

- a) perma-summer
- b) great weather
- c) global warming
- d) increased ultra-violet ray effect

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The most important natural and man-made greenhouse gas is

_____.
Carbon Dioxide

What word means "clearing trees and forests"?

- a) reforestation
- b) deforestation
- c) woodlot
- d) agriculture

Which of the following DO NOT produce fossil fuels:

- a) driving your car
- b) driving a snowmobile
- c) driving a motorboat
- d) driving your bike

What do we call the blanket of air that surrounds the Earth?

- a) biosphere
- b) atmosphere
- c) space
- d) ozone layer

True or False: I cannot reduce my greenhouse gas emissions at school.

False

The green house gases that you emit will effect:

- a) only you
- b) Canada
- c) the Arctic
- d) **the world**

Which country is the world leader in using wind power?

- a) Canada
- b) the Netherlands
- c) China
- d) **Germany**

True or False: It does not help your energy consumption to fill in cracks around windows and door.

False

Which commonly used fossil fuel releases the fewest green house gas emissions?

- a) oil
- b) **natural gas**
- c) gas
- d) coal

If you keep the tires in your car fully inflated and keep your car tuned how many tonnes of GHG's will you save?

- a) 0 tonnes
- b) **0.45 tonnes**
- c) 1 tonne
- d) 0.2 tonnes

True or False: Canadians drive more per person than Americans.

True

True or False: About 50% of your home's energy bill is spent on heating and cooling.

True

What green house gas do cows emit when they fart?

- a) carbon dioxide
- b) oxygen
- c) **methane**
- d) water vapour

By changing 5 lightbulbs in your house to compact fluorescent bulbs, you will save:

- a) **0.3 tonnes**
- b) 0 tonnes
- c) 1 tonne
- d) 0.1 tonnes

Not leaving your car idling could save you as much as :

- a) \$1.00/year
- b) \$25.00/year
- c) \$10.00/year
- d) **70.00/year**

If you were to replace your regular shower head with a 'low-flow' shower head, how many tonnes of GHG's would you save?

- a) 1 tonne
- b) 0.25 tonnes
- c) 0.15 tonnes
- d) 0.85 tonnes

Installing weather stripping and caulking around doors and windows can save you money and reduce your green house gas emissions by:

- a) 0.10 tonnes
- b) 0.50 tonnes
- c) 1 tonne
- d) 0 tonnes

Two things that people tend to leave on when they don't need to are lights and computers. How many green house gas emissions would be saved if these two things were turned off when not needed?

- a) 0.5 tonnes
- b) 0.8 tonnes
- c) 1 tonne
- d) 0.05 tonnes

What percentage of all carbon dioxide emissions come from cars?

- a) 100%
- b) 50%
- c) 25%
- d) 10%

True or False: Reducing our energy use will reduce green house gas emissions and improve air quality.

True

If a person always drives at the posted speed limit, they would save _____ dollars/year.

- a) 20
- b) 100
- c) 10
- d) 25

How many green house gas emissions could you potentially save by lowering your thermostat by 5°C at night?

- a) \$15/year
- b) \$90/year
- c) \$45/year
- d) \$100/year

You could save up to _____ dollars/year if you used cold water when doing laundry :

- a) 5
- b) 18
- c) 85
- d) 21

What is the main way humans release green house gas emissions into the atmosphere?

- a) burning fossil fuels
- b) breathing
- c) cooking
- d) making hydro-electricity

Which of the following is NOT a green house gas?

- a) carbon dioxide
- b) oxygen
- c) water vapour
- d) methane

Climate change will not only have an impact on humans, but will also have an impact on:

- a) whales
- b) dolphins
- c) seals
- d) all of the above

Of the last twelve centuries, which has been the warmest?

- a) 17th
- b) 18th
- c) 19th
- d) 20th

True or False: Climate change is NOT influenced by energy from the sun.

False

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Compared to pre-industrial times, the amount of carbon dioxide in the atmosphere is higher, lower or the same?

Higher!

True or False: The hole in the Ozone layer and Climate Change are the same thing?

False

True or False: Climate change will affect lobsters.

True

How many km's above the Earth does our atmosphere go?

- a) 100km
- b) 200km
- c) 1000km
- d) 800km

During the last ice age the Earth's average temperature was how much lower than it is today?

- a) 30°C
- b) 1°C
- c) 50°C
- d) 5°C

True or False: A small increase in the Earth's average temperature can have a BIG effect on our climate?

True

True or False: Using wind energy could be a cleaner alternative to using coal?

True

True or False: A warmer climate would NOT affect our rainfall patterns.

False

True or False: Without the natural greenhouse effect, the Earth would be too cold for most things to live.

True

True or False: Climate Change will NOT have an effect on plants.

False

True or False: Climate Change and weather are the same thing.

False

What amount do scientists predict sea will rise over the next 100 years?

- a) 10-15 cm
- b) 15-95cm
- c) 0-10cm
- d) 95-100cm

Scientists use a CCM to study Climate Change. What is CCM?

- a) Climate Change Model
- b) Climate Change Mountain
- c) Climate Change Marker
- d) Crazy Climate Mandate

True or False: Climate Change will cause sea levels to rise because rain drops will get bigger.

False

What year was hottest year ever recorded?

- a) 2004
- b) 2000
- c) 1998
- d) 1995

True or False: If it weren't for humans, the Earth's climate would always remain the same?

False

How much more carbon dioxide is in the atmosphere now compared with 1890?

- a) 100%
- b) 50%
- c) 25%
- d) 15%

Climate is the average temperature in an area over several _____.

- a) days
- b) weeks
- c) centuries
- d) years

True or False: Climate Change will be more severe for countries who produce the most GHG's?

False

True or False: Climate Change is only an issue for people living in developed countries?

False

True or False: Nobody really knows if climate change is going to happen, this is just some prediction made by hysterical environmentalists.

False

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True or False: The global climate's only going to go up a couple of degrees over the next century; that's not such a big deal.

False

True or False: Small changes can make a big difference when it comes to climate change.

True

Climate Change will have an effect on human health because

- of:
- a) increased disease
 - b) a shortage of clean freshwater
 - c) smog (poor air quality)
 - d) all the above

Which of the following is NOT something to do when trying to lower your green house gas emissions?

- a) ride your bike
- b) get a drive to school
- c) turn off your computer when you are not using it
- d) take shorter showers

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The green house gas that humans release every time they exhale is _____.

Carbon dioxide

True or False: Canadians are among the highest water users in the world.

True