

How Well Has The Media And Government Informed Us About CO2 Levels In The Air?

Ask yourself, your friends, family and work associates the following questions about Carbon Dioxide (CO2) and see how well informed you have been.

Be sure to write your own answers down *before* looking at the answers on the following pages.

Question 1. What percentage of the atmosphere do you think is CO2?

Question 2. Have you ever seen the percentage given in any media?

Question 3. What percentage of the CO2 is man-made?

Question 4. What percentage of the man-made CO2 does Australia produce?

Question 5. Is CO2 a pollutant?

Question 6. Have you ever seen any evidence that CO2 causes a greenhouse effect?

And after seeing the answers,

Question 7. Write your reaction to knowing the facts.

The answers to these questions are fundamental to us all to enable us to evaluate whether unnatural, manmade global warming is possible and whether a carbon tax is required.

To date over 130 people have responded. Nearly all said they didn't know the answers to Question 1, 3 and 4 so I asked them to give their *perception* from what they have learnt from the media, the government and Green groups over the last 10-20 years of media commentary on this subject. It's best to ask them to give a specific percentage. Let them know there is no right or wrong answer because the survey as designed to find out what people *perceive* the answers to be. Copies of these documents can be obtained by email at: gdt@infinitygc.com.au

It only takes a few minutes to do so you may also like to try it with friends and colleagues. A form for recording respondent's answers is attached.

If surveying others, be sure not to provide the answers until after you have written down your respondent's answers for Questions 1 - 6. This is so you don't bias their answers. Be sure do not to show any expressions or make any statements that might indicate how close their answers are to reality. When you provide them with the correct answers, note their response to Question 7.

I found all those surveyed were happy to contribute and they found the answers most informative and surprising. This information also makes for an interesting dinner conversation.

On the following pages are the respondent's perceptions followed by the correct answers with explanations.

Respondents were from all walks of life. They comprise business managers in a diversity of large and small businesses, those in the medical profession, accounting, law, sales and engineering as well as scientists, trades people, students and staff working for a diversity of industries.

Gregg D Thompson

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Astronomer
Environmentalist
Author of two science books
Business Manager and Director of 3 companies
Nature photographer

Strong interest in most sciences
Author of science magazine articles
Designer & project manager of special effects attractions
Loves creating innovation in architecture, landscaping and art
Philanthropist

The QUESTIONS with ANSWERS

Q1. What % of the air is CO₂?

Respondent's Answers: Nearly all were 20% - 40%, the highest was 75% while the lowest were 10% - 2%.

The Correct Answer: CO₂ is less than a mere four 100ths of 1%! As a percentage that's 0.038%. As a fraction it is 1/27th of 1%. (Measurements for CO₂ vary from one reference source to another ranging from 0.036%- 0.039% due to changes in the wind direction e.g. whether the air flow is from an industrialized region, a volcanic emission area or swamp land or forests etc.)

The major gas in the atmosphere is Nitrogen at just over 78%, Oxygen is just under 21% and Argon is almost 1%. CO₂ is a minute trace gas at 0.038%. We were taught the composition of the air in primary school, and in more detail in junior science in high school. Most people don't use science in their day to day living so they have forgotten this. Details on composition of the atmosphere are at:- http://en.wikipedia.org/wiki/Earth%27s_atmosphere

The vast bulk of the population have very little knowledge of science so they find it impossible to make judgements about even basic scientific issues, let alone ones as complex as climate. This makes it easy for those with agendas to deceive us by using emotive statements rather than providing real-world facts.

Q2. Have you seen a percentage for CO₂ given in the media?

Respondent's answers: All said 'No' or they 'couldn't remember'.

Q3. What % of CO₂ in the air is man-made?

Respondent's answers ranged from as high as 100% with most estimating it to be between 75% to 25% and only four said they thought it was between 10% and 2%.

The Correct Answer: Nature produces nearly all of it. See Q 5. **Humans produce only 3%. That's a miniscule 0.001% of the air. All of mankind produces only one molecule of CO₂ in around every 90,000 air molecules!** CO₂ is produced from live and decaying sea life living in the oceans, decaying plant matter (especially during fall), plants exhaling it during the day, all animals exhaling it continually, microbes in the earth and from thousands of intermittently active volcanoes on land and under the sea and from numerous fires due to underground peat, tar and coal continually burning as well as numerous bushfires. One large bushfire like Ash Wednesday produces more CO₂ than all Australia's coal-fired power stations do in more than 20 years.

Q4. What % of man-made CO₂ does Australia produce?

Respondent's Answers ranged from 20% to 1%.

The Correct Answer is 1% of the 0.001% of man-made CO₂. That's an insignificant 0.00001% of the air. That's one, one-hundredth thousandth of the air. That is what all the fuss is about! That's one CO₂ molecule from Australia in every 9,000,000 molecules of air. It has absolutely no affect on climate at all.

We have been grossly misled to think there is tens of thousands of times as much CO₂ as there is!

Why has such important information been withheld from the public? If the public were aware that man-made CO₂ is so incredibly small, there would be very little belief in a climate disaster so much of the media would not be able to make a bonanza from years of higher sales by selling doomsday stories. Governments and Green groups would not be able to justify a carbon tax that will greatly raise the cost of everything. Major international banks and the stock market would not make massive profits out of carbon trading and many in the science community would not be getting large research grants for climate related projects.

Q5. Is CO₂ is a pollutant?

Respondent's Answers: All but one thought it is a pollutant, at least to some degree.

The Correct Answer: NO. CO₂ is a naturally occurring beneficial trace gas in the atmosphere. It is a harmless, trace gas. It is necessary for life - just as oxygen and nitrogen are. It is a natural gas that is clear, tasteless and odourless. It is in no way a pollutant.

Calling CO₂ a 'pollutant' leads many to wrongly think of it as black, grey or white smoke. Too often the media deceitfully show white or grey 'smoke' coming out of power station cooling towers to create drama. Most people think this is CO₂. It is not: it's just steam (water vapour) condensing in the air. CO₂ is invisible: just breathe out and see. Look at it bubbling out of your soft drinks, beer or sparkling wine. No one considers that a pollutant - because it's not. CO₂ in its frozen state is commonly known as dry ice. It is used in camping eskys, in medical treatments and science experiments. No one considers that a pollutant. All plants breathe out CO₂ at night. CO₂ is an air-borne fertilizer for plants: the more there is, the faster they grow and the less water they need. The quantity of CO₂ emitted by plants is 33 times more than that produced by mankind. No-one considers this to polluting the atmosphere. Huge quantities of CO₂ are dissolved naturally in the ocean and released from the warm surface. We breathe in air with 380 parts per million and then exhale 40,000 parts per million causing no ill effects. When we

breathe this into victims needing CPR, it does not cause them to die: it often revives them! Without CO₂ there would be almost no life. So you can see that CO₂ is a natural gas and not a pollutant. CO₂ is a totally different chemical to carbon (charcoal, graphite or diamond). It is impossible for carbon to be considered a pollutant because all living things are made of it. It pollutes nothing. To say otherwise demonstrates extreme ignorance.



The two large cooling towers are emitting only steam. A tiny amount of CO₂ is trickling out of the thin chimney at centre. The emission from this chimney is only barely visible due to a small quantity of smoke particles, most of which are filtered out nowadays. The media doesn't like to show skinny CO₂ chimney emitting with nothing visible because this is unimpressive and not the least bit emotive so it doesn't make for sensationalist journalism. So they typically choose to deceive the public by showing harmless cooling towers releasing steam.

Q6. Have you seen any evidence that CO₂ causes a greenhouse effect?

Respondent's Answers: Almost all did not know of any proof. Some said they thought the melting of the Arctic and glaciers was possibly proof.

The Correct Answer: **There is no proof at all.** The Intergovernmental Panel for Climate Change (the IPCC) has never produced any evidence; only assumptions and computer model projections. But inaccurate data in = inaccurate data out. Here are proofs that CO₂ cannot cause a greenhouse effect. There are many more that space does not allow.

1. **CO₂ can absorb heat a little faster than nitrogen and oxygen but it becomes no hotter** because it cannot absorb anymore heat than there is available to the other gases. If it could this would be against the laws of thermodynamics. Gas molecules are constantly colliding with one another so the miniscule percentage of CO₂ almost instantly shares any excess heat with nitrogen and oxygen. Physics experiments long ago proved the greenhouse effect to be a myth. http://www.americanthinker.com/2010/02/the_hidden_flaw_in_greenhouse.html
2. **Glasshouses with high levels of CO₂** – hundreds of times higher than in the air to make plants grow faster – become no hotter than those with air in them. Neither do bottles of pure CO₂ compared with bottles of air.
3. **Venus and Mars** have atmospheres that are almost entirely CO₂ (97%) yet they have no 'runaway' greenhouse heating effect as their temperatures are stable. See <http://wattsupwiththat.com/2010/05/06/hyperventilating-on-venus/> & <http://wattsupwiththat.com/2010/05/08/venus-envy/>
4. **The geological record** over hundreds of millions of years has shown that CO₂ has had no affect whatsoever on climate. At times CO₂ was hundreds of times higher, yet there were ice ages. <http://www.scotese.com/climate.htm>
5. **Historical records show CO₂ levels do NOT drive temperature at all:** CO₂ levels follow temperature by hundreds of years. When deep ocean water warms and comes to the surface centuries later it releases some of its dissolved CO₂ just as a warming soft drink does.

In recent times, when Earth has been considerably warmer during the Roman Warming and the Medieval Warming, the higher temperatures were totally natural because there was no industrialization back then.

Water vapour varies from 1% - 4% of the air. In humid regions it's 100 times more than CO₂, AND it absorbs 33 times as much heat as CO₂ making CO₂'s contribution insignificant compared to water vapour! Strangely, no one worries about water vapour's contribution because it can't be used to demonise industry. But like CO₂, water vapour also gives this heat away to air molecules by contact (conduction) and radiation, thereby making the surrounding air the same temperature.

Earth's atmosphere is very thin. If Earth were shrunk to a sphere 50 stories high, on this scale the vast bulk of the atmosphere would be only 2 layers of Gladwrap thick! So it's easy to appreciate how heat is continually being lost to the absolute coldness of outer space. As there is no 'greenhouse ceiling' to the atmosphere, surface heat cannot be retained. The Sun renews this lost warmth every day.

The Arctic has re-frozen after years of very cold winters. Glaciers that were receding are now surging due to years of heavy snow falls.

The Effect of the Sun on Earth's climate

It has long been known that the Sun is by far the major driver of all weather on Earth because it is the source of all heat and energy. There is absolutely no real-world evidence that the temperature has continually risen for over 100 years as we were led to believe. The hottest records in the USA and Greenland were in the 1930s due to a strong solar cycle. It became *cooler* from 1940 to 1970. This was due to a weak solar cycle. The current weak solar cycle has made it become increasingly colder since 2006. The Sun's magnetic storm activity has now moved to an extended minimum so the next 2-4 maximums are expected to be much weaker than the last few have been. The last time the Sun acted as it is now was during the Dalton Minimum from 1790 to 1830 which produced 40 years of very cold winters with subdued, wetter summers globally - just as we are experiencing now. From 1450 -1750 a more intense Maunder Minimum occurred which caused the Little Ice Age. The next 2-4 solar cycles will very likely be low in solar activity causing noticeably cooler global temperatures for a few decades. For details see: <http://wattsupwiththat.com/2010/02/02/solar-cycle-24-update> and <http://www.climatechangedenier.com.au/climate-change/another-dalton-minimum/>

The effect of the current Solar Minimum has been particularly obvious in the northern hemisphere over the last 4 years. Increasingly colder winter temperatures have caused massive snowfalls disrupting transportation across Europe, Asia and North America.

Our Present Climate

Despite more than a decade of continual doomsday predictions of increasing temperatures with never-ending global drought, the opposite has happened. The climate has always been naturally cyclic and variable due to numerous natural drivers of which CO₂ is not one. Over millions of years the climate has shown far greater changes in the geological record than we have seen over the last 200 hundred years - and of course there was no industrialization back then. The very minor variations we have witnessed over the last 100 years have all occurred several times even in that short time-frame. Also see: http://www.youtube.com/watch?v=Ci4Pz1mwBao&feature=player_embedded#!

There has been greatly increased rain and snowstorms over much of the planet since 2006. This has caused floods across most of Australia and in most other countries, as seen on the TV news. This ended the 10 year global drought conditions from the mid 90s to the mid 2000s. There has been no drop in CO₂ to cause this. There is no correlation between CO₂ levels and climate. The reason CO₂ levels have gone up a little is most likely due to the surface of the oceans warming very slightly during the later half of the century and therefore releasing more CO₂. (The oceans are currently cooling slightly.) The effect of mankind's CO₂ is so small it is unmeasurable.

Polls on Climate Change

The obvious change over the last few years to a cooler, wetter climate combined with the revelations of fraud exposed by the Climategate emails has led to a big change in the public's belief in AGW. Polls in western countries now show that believers in man-made global warming are now in the minority (~25%) with a sizable percentage of over 20% who "don't know" if CO₂ is causing any change. Polls in many countries asking people what is the most important threat to them out of a list of 20 issues, place global warming at the bottom!

Popular beliefs are not fact

History is littered with numerous popular consensuses that were wrong. It only takes one fact to prove a consensus wrong. Popular beliefs are often based on blind faith, ideology and profit-taking rather than proven scientific evidence. The bulk of the population of the western world believed that the 2000 Bug would destroy much of our technology on New Year's Eve 2000, yet not one disaster occurred anywhere. We were told CFCs caused the Ozone 'hole' yet after billions of dollars were spent removing CFCs over 30 years, the slight depletion of Ozone at the South Pole has not changed. Scientists now think it is natural. During the cooling decades up to the 70s, some of those now pushing GW told us there was an ice age about to start so they recommended burning as much carbon as possible to warm the planet only to change their minds completely a decade later!

A Carbon Tax

Taxing the natural trace gas CO₂ achieves nothing for the environment. A carbon tax will however have a disastrous impact on lower and middle income earners. Even if drastic measures were imposed equally on all countries around the world to reduce the total human CO₂ contribution by a huge 30%, this would reduce total CO₂ by an insignificant percentage. It would have no affect whatsoever on the climate but it would totally destroy the economies of most countries and dramatically lower living standards.

Science Funding

Research funding for so-called manmade climate change is very largely being wasted. It has taken away much needed funding that should be supporting real environmental issues.

ADDENDUM

Should you wish to learn much more, there are over 50 books and numerous web sites that provide numerous reasons why man-made AGW is false. Here are some to look at.

WEB SITES

For answers to a variety of AGW subjects see:

<http://wattsupwiththat.com/>

<http://joannenova.com.au/>

<http://www.conscious.com.au/>

<http://www.plantsneedco2.org/default.aspx/MenuItemID/73/MenuGroup/Home.htm>

http://grotonweather.com/Global_Warming/

<http://www.ilovemycarbondioxide.com/>

<http://www.climate-depot.com>

<http://www.climate-skeptic.com/>

Scientist Bob Carter tests AGW against its predictions and the facts

<http://www.youtube.com/watch?v=NFHZOYtAztU&feature=related> **GOOD BOOKS**

What Meteorologists and Scientists say

<http://www.youtube.com/watch?v=FOLkze-9Gcl&feature=fvw>

<http://www.youtube.com/watch?v=4LvEuJsYE7k&feature=related>

<http://www.youtube.com/watch?v=FfHW7KR33IQ&feature=related>

Analysis of Al Gore's predictions & what real scientists say

http://www.youtube.com/watch?v=BZcp_wcDXec&feature=related

NASA Climate Scientist Roy Spencer explains errors found in climate forecasting to US Senate Committee

<http://www.youtube.com/watch?v=Qzf6z-oHP8U&feature=channel>

<http://www.youtube.com/watch?v=ePyyqjQgCgA&feature=related>

NASA Climate Scientist John Christy gives a very succinct summary of Climate Change

<http://wattsupwiththat.com/2009/11/11/christy-attention-brought-by-climate-change-views-almost-a-drug/> An interview with John Christy at: <http://climateréalists.com/index.php?id=5939>

Legal case against Al Gore's movie proves numerous inaccuracies, fabrications and exaggerations and a lack of proof for numerous statements

<http://www.newparty.co.uk/articles/inaccuracies-gore.html>

Famous Scientist Freeman Dyson speaks on GW's bogus claims

<http://www.youtube.com/watch?v=JTSxubKfTBU&feature=related>

The web has an excellent documentary **The Global Warming Swindle** that interviews many leading scientists who explain why AGW is not real and how the myth got started. When it went to air in the UK there was a 6:1 ratio of those who did not believe in GW to those who did after seeing this documentary. This number has since grown. Go to:

<http://en.sevenload.com/videos/UstF3KX-The-Great-Global-Warming-SwindleTo>

EXCELLENT BOOKS ON CLIMATE CHANGE

The Deniers – The World Renowned Scientists Who Stood Up Against Global Warming Hysteria, Political Persecution, And Fraud written by Canada's leading environmentalist, Lawrence Solomon is a superb read about 100 world-renown scientists who have spoken out against the GW hysteria. The book covers their political persecution and the fraud perpetrated by those who support AGW. It will frighten

you to see how such eminent scientists and environmentalists could be so deliberately ignored and so strongly vilified by the Dark Green lobby, the IPCC, Al Gore and the media.

Well known geologist, Ian Plimer's book [Heaven & Earth - Global Warming: The Missing Science](#) is an outstanding work that explains the science behind what drives climate naturally using easy-to-comprehend explanations. It is abundantly referenced to support every statement.

Christopher Horner's book [Red Hot Lies - How Global Warming Alarmists Use Threats, Fraud, And Deception To Keep You Misinformed](#) is an extraordinary read because it details how and why the AGW myth grew so strong and the lengths that its proponents are prepared to go to get their way. It provides numerous well-researched truths about the popular media's financial incentive to sell bad news and the incentives for individual journalists to do so. It shows the incentives that some leading science magazines, science associations, universities and many scientists had to exaggerate to keep their gravy train rolling. It also exposes why many politicians, green organisations and educators pushed GW. The reader will be frightened by how far this trend has gone and how such trends will be so damaging in the future when the next, new doomsday scenario replaces AGW.

Ex UK Treasurer and Minister for Energy, Nigel Lawson's book [An Appeal to Reason - A Cool Look At Global Warming](#) crystallises how nonsensical the IPCC's economic projections are let alone their highly distorted assumptions. This is a real eye opener.

Ex NASA scientist and leading climatologist Roy Spencer's book [Climate Confusion – How Global Warming Hysteria Leads To Bad Science, Pandering Politicians and Misguided Policies That Hurt the Poor](#) so clearly highlights how misunderstood climate is by those who are not climatologists yet they claim to be able to predict climate one hundred years into the future when they can't even get next year right. This very well explained book for the novice makes sense out of a complex subject.

[OTHER VERY GOOD BOOKS ON CLIMATE CHANGE](#)

Climate: The Counter Consensus - A Paleoclimatologist Speaks by Prof Robert Carter

The Real Global Warming Disaster: Is the Obsession with "Climate Change" Turning Out to Be the Most Costly Scientific Blunder in History? by Christopher Booker

The Bad Science and Bad Policy of Obama's Global Warming Agenda by Roy Spencer

The Hockey Stick Illusion: Climategate and the Corruption of Science by A.W Montford

The Great Global Warming Blunder by Roy Spencer

Climatism: The full compendium: the science, the ideology, the UN, & the history by Steve Goreham

Unstoppable Global Warming: Every 1,500 Years by S. Fred Singer
The Climate Caper by Garth Paltridge

Climate Change – A Natural hazard by William Kininmonth

A Guide to Climate Change Lunacy: bad forecasting, terrible solutions by Mark Lawson

Cool It: The Skeptical Environmentalist's Guide to Global Warming by Bjorn Lomborg

State of Fear - by Michael Crichton

Climategate The CRUTape Letters by Steven Mosher

A Primer on CO2 and Climate by Howard C. Hayden

**Climate of Extremes: Global Warming Science They Don't Want You to Know
by Patrick J. Michaels**

The Really Inconvenient Truths: Seven Environmental Catastrophes Liberals Don't Want You to Know About--Because They Helped Cause Them by Iain Murray

CO2, Global Warming and Coral Reefs, Craig Idso. The science of CO2 and the oceans by Craig D Idso

Global Warming; The Myth - Booker & North

Global Warming - Myth or Reality? Jacques Comby

Global Warming & Other Bollocks by Marks Vincent

The Politically Incorrect Guide to Global Warming (and Environmentalism) by Christopher Horner

Understanding the Global Warming Hoax by Leo Johnson

The Chilling Stars by Henrik Svensmark & Nigel Calder

Air Con: The Seriously Inconvenient Truth About Global Warming by Ian Wishart

Green Hell: How Environmentalists Plan to Control Your Life and What You Can Do to Stop Them by Steven Milloy