

20 Questions on the Science of Climate Change

Many people are confused by the ongoing discussion on Climate Change and would like to be more knowledgeable on the Science behind the topic. This set of questions is designed to help with understanding the complex aspects of the Science of Climate Change. There is a huge amount of information available on the web and elsewhere and trying to tell fact from fiction is difficult. To be able to participate in the climate discussion you need to understand the underlying Science, at least at a high level. These questions (labeled Q1 to Q20) each come with a simple Yes or No answer that are meant to make it as easy as possible to understand the main points of the Science. A Yes answer will move you to the next question, while a No will bring up a page or two with explanatory information in the form of diagrams, text, charts and links to in-depth references to the Science. Trusting you will find this fun and educational.

Q1. Do you know what the Scientific Method is and why it is important?

Yes – Go to the Next question. No – [Click here](#).

Q2. Do you understand what validation of a hypothesis is?

Yes – Go to the Next question. No – [Click here](#).

Q3. Do you know what a time series is and how its accuracy is measured?

Yes – Go to the Next question. No – [Click here](#).

Q4. Do you know what the different types of data errors are and how they can be found?

Yes – Go to the Next question. No – [Click here](#).

Q5. Do you know what the errors in data analysis are?

Yes – Go to the Next question. No – [Click here](#).

Q6. Do you know how global temperature is measured?

Yes – Go to the Next question. No – [Click here](#)

Q7. Do you know what the best sources are for recent global temperatures?

Yes – Go to the Next question. No – [Click here](#).

Q8. Do you know what proxies for global temperatures are?

Yes – Go to the Next question. No – [Click here](#).

Q9. Do you believe there has been cooling over the last century?

Yes – Go to the Next question. No – [Click here](#).

Q10. Do you believe the sun is the primary source of heat for planet earth?

Yes – Go to the Next question. No – [Click here](#).

Q11. Do you believe the heat output from the sun varies?

Yes – Go to the Next question. No – [Click here](#).

Q12. Do you know what the TSI (Total Solar Irradiance) is?

Yes – Go to the Next question. No – [Click here](#).

Q13. Do you know what the Keeling curve is and why it is important?

Yes – Go to the Next question. No – [Click here](#).

Q14. Do you know how much heat was added to the atmosphere by the extra CO₂ over the last decade? Yes – Go to the Next question. No – [Click here](#).

Q15. Do you know what the products of burning fossil fuels are?

Yes – Go to the Next question. No - [Click here](#).

Q16. Do you know what can and should be done about air pollution?

Yes – Go to the Next question. No – [Click here](#).

Q17. Do you understand that peoples' standard of living is tied to the energy they consume?

Yes – Go to the Next question. No – [Click here](#).

Q18. Do you understand the extent to which variations in global temperature and CO₂ are correlated? Yes – Go to the Next question. No – [Click here](#).

Q19. Is the sun the main force driving temperatures?

Yes – Go to the Next question. No – [Click here](#).

Q20. Is there anything I can do to help the situation?

[Click here for suggestions and a summary](#).

[Click here for a 10-page paper on the topic](#).

Thanks for looking into the questions. While you may not agree with all the answers and material when you answered No to a question, if you have read all the No material then you will be in a position to further research your particular interests. You should also be able to discuss this topic with more confidence.

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