

Climate Science Questions

Use the “Climate Change Tutorial” to find the answers to the following questions. Some answers can be a simple phrase or numbers, however if a question asks you to “explain” or “describe” you need to write sentences in a longer answer to get credit.

- 1. Explain the difference between “weather” and “climate”?**
- 2. Explain the difference between “global warming” and “climate change”?**
- 3. What are the physical properties of Carbon Dioxide?**
- 4. What role does CO₂ play in how our atmosphere functions?**
- 5. What is the level of Carbon Dioxide in the atmosphere NOW?**
- 6. What has the maximum level of carbon dioxide concentrations in the atmosphere been over the past 800,000 years?**
- 7. Is there any correlation over the past 800,000 years between CO₂ levels and global average temperature?**
- 8. IF there is a correlation, explain what can be concluded from it?**
- 9. What do scientists believe the cause of current carbon dioxide levels?**
- 10. Are the causes of carbon dioxide levels in the atmosphere the result of human actions? List the actions...**
- 11. When will we see the effects of climate change? Is it happening now?**

- 12. What is the most basic way to reduce CO₂ in the atmosphere and slow down global warming?**

- 13. List at least 5 ACTIONS that can be taken to solve the climate change problem.**

- 14. Next: Do the “Climate Solutions Project” that studies the Drawdown initiative, a set of new technologies that all parts of society can adopt to solve the climate change problem.**

- 15. COMMENTS: Please offer any comments, questions, concerns or other ideas regarding this topic.**