

## Global Climate Change Questions – Revised List

9/13/07

Biology 354b

### What do we know from the past? (2 4 14 21)

1. Is there historical precedent for climate change similar to what we are experiencing today? (2)
2. How can we accurately track rising temperatures when there is only 200 years of weather data? (4)
3. Does the greater climate history of the past (150,000 years) refute or support human caused global climate change? (14)
4. Are things better now as far as carbon emissions than they were say 10 years ago? (21)

### What evidence today supports human-induced global climate change? (1 3 9 15 16 19 23 30 33 35 36 37 38 39 40 41)

5. Is there irrefutable evidence that global temperature is caused by human activity or could it be natural? (1 19 23 39)
6. Why is Europe so much more convinced of human-induced GCC than we are in North America? (3)
7. Are there still many skeptics within the scientific community or is this idea universally accepted? (9 38)
8. What is the average rise in temperature each year - Is it or is it not normal? (15 35)
9. Are there suspected causes besides carbon emissions? (other chemicals, etc.) (16)
10. What are some of the effects of climate change on the environment? (why is it so bad?) (30 41)
11. How can we tell the difference between fact and fiction? (33 37)
12. Tropical storms – caused by natural or human induced climate change? (36)
13. How much of a crisis is global climate change and how seriously should it be taken? (40)

### What are some future predictions? (8 12 13 18 22 25 28 29 32)

14. How much of the damage is irreversible? (8)
15. If we kept on living just as we are, how quickly would it become a crisis? (12 13 18)
16. Is there really much hope that we can make a significant impact before the world falls apart? (22 25)
17. Is global climate change more severe in some places than others? (28)
18. Can we reverse the effects of climate change – if so, how long would it take? (29 32)

Solutions/What can we do? (5 6 7 10 11 17 20 24 26 27 31 34)

19. Are there significant enough benefits of buying organic or sustainable products – or is it too little too late? (5)
20. Is reducing CO2 emission more pressing in the US and Western countries or developing ones? (6)
21. How do we stop disappearing green spaces without eliminating the human element (i.e. population control)? (7)
22. How much does the average American know about what they can do to help deter the effects of global climate change? (10)
23. How much do churches know of the relation to creation care and their actions to help stop climate change? Do they care? (11)
24. Is there a goal besides carbon neutrality? (17)
25. How much can individual efforts do? (20)
26. Will sequestering carbon by planting trees help – if so, what trees? (24 26 34)
27. Are there ways that we can sequester carbon through our technology? (27)
28. Would it even make a difference if our campus became carbon neutral? (31)