

An Inconvenient Truth

1. Why is the atmosphere the most vulnerable part of earth?
2. How does the length of light change after it hit earth?
3. Professor Revelle conducted experiments with weather balloons in 1957. He discovered that the CO₂ levels were increasing. He also noticed that there were smaller fluctuations (up and downs) each year. What causes these up and down year fluctuations?
4. How has Mt. Kilimanjaro changed over the last 20 years?
5. How have the Columbia Ice fields in Alberta changed over the last 20 years?
6. Core drills of the ice in Antarctica contain information (gas levels) about climate and CO₂ levels for the last 650,000 years. When there has been an increase in CO₂ levels there is also proof of an increase in _____. The CO₂ levels in the past had never gone over _____ part per million (a level which is found today)
7. The 10 hottest years on record have occurred during
8. The hottest year on record was
9. An increase in ocean temp can cause more:

10. Climate change is thought to cause an _____ in precipitation, but most perception will fall during _____ events.
11. How have Darfur and Niger (lake Chad) been affected by global warming?
12. The Arctic is considered to be a canary in the coal mine. What are some of the changes that have been occurring there?
13. An increase in global temp will cause an increase of _____ at the equator and _____ at the north pole.
14. Ocean currents are important in distributing heat around the world. Cold water has more salt water in it so it _____, Fresh water has less salt in it so it _____. When the ice dam broke on the east coast of North America it released a lot of fresh water into the ocean. What happened as a result?
15. What is happening to birds as the seasons change?
16. How does global warming increase the number of invasive species that are present in North America?

17. The Antarctic is also experiencing many changes. What will happen to sea level if the west ice cap breaks off?

18. What are some of the potential problems China poses to climate change?

19. Forest Fire burning contributes ____% of the CO₂ released into the environment.

20. The largest contributor to CO₂ emissions is the _____. Other top polluters are:

21. What are the 3 misconceptions when it comes to Global Warming?

