# What’s Up With The Weather? FRONTLINE/NOVA

1. Over the last century, global surface temperature has risen \_\_\_\_\_\_ degree Farenheit.
2. Why do some climate historians study records having to do with cherry blossoms?
3. What did Charles David Keeling begin measuring in 1957?
4. What is the average surface temperature of the Earth? \_\_\_\_\_\_\_ degrees Farenheit
5. How long does carbon dioxide produced from burning fossil fuels remain in the atmosphere before being absorbed by the ocean?
6. What percent of U.S. electricity is produced by burning coal?\_\_\_\_\_\_\_\_\_\_ percent
7. How many pounds of carbon is emitted per year by lighting an average house?
8. As a result of the Kyoto treaty,
(A) Most developing nations agreed to cut back 20 percent in carbon dioxide emissions by 2020.
(B) No nations agreed to cut carbon dioxide emissions.
(C) Developing countries made no binding commitments to cut back carbon dioxide emissions.
(D) Atmospheric carbon dioxide levels in the year 2100 will be about half of what they are today.
9. The total energy consumption of all humankind today is about \_\_\_\_\_\_\_ trillion watts.
10. How long is it projected that it will take before total world energy consumption reaches 40 trillion watts?
11. How many U.S. Senators voted against the Kyoto treaty?

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| Evidence to support Global Warming | Arguments against Global Warming |
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Which piece of evidence from the video do you find most convincing?

Why?

What do you feel needs to be done?