Ice Cores- Video

http://www.waisdivide.unh.edu/outreach/how-do-we-know.shtml

1. What is the setting for this scientific research being done about climate change?

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1. Polar snow contains \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that are characteristic of the climate when the snow fell.
2. Does the snow ever melt in Antarctica? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. How thick is the ice in Antarctica? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. This ice contains a record of the climate for how many years? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Antarctica is the best place in the planet to study how past changes in greenhouse gases influenced climate because it has the right combination of high annual \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. How do scientists get ice samples from extremely deep? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. How long is the typical core that scientist collect when drilling for ice cores? \_\_\_\_\_\_\_\_\_\_\_\_
8. What are the bubbles frozen in a sample of ice? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Ice Cores from Antarctica are packed up and shipped back to which US City? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. What are some things that ice cores tell us (Hint: what does the graph show us from the lab at the University of Colorado- Around 12:45) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. (16:20) The current climate warming is caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ activity.
12. Data from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ help confirm that climate models can accurately calculate climate conditions.
13. In the past, every time there was a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ level of greenhouse gases, the climate was warm.
14. Climate models show the current warming is not caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the \_\_\_\_\_\_\_\_, or other natural causes.