



Go Beyond: Science Journal

50 Million Years of Earth's Temperature

In your science journal record your thoughts and research on one of the following topics.

- What was the Earth like 50 million years ago?
- Do you think humans can decide what average temperature the Earth should have? Why or why not?
- What do values and ethics have to do with climate change?

Process:

1. Select one or more of the questions above.
2. Write down or sketch what you think answers the question based on your own understanding without looking anything up.
3. Ask a family member, friend, or teacher the same question(s) and write down or sketch their answers.
4. What are the common ideas in the answers you've collected? Write or sketch the common themes/ideas.
5. Devise your own strategy for digging deeper (ask a scientist, check out university or government agency websites like NASA and NOAA, go to the library, design and conduct an experiment, etc.) until you're satisfied the answer makes sense to you.
6. Summarize what is known and unknown about the subject of the question(s). Also note what evidence there is in supporting what is known and how the evidence was obtained.
7. Rate the answer you've come up with on a scale of 1 to 10, 1 being weak with lots of uncertainty, 10 being perfect.