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| **Claim** | **Source evaluation** | **Their**  **evidence** | **Your**  **evidence** | **Reasoning** |
| What claims about CO2 does the website make? | Evaluate the sources of these claims. (Hints: Biased or unbiased sources? Multiple or single sources?) | What evidence is provided to support the claim? (Hints: Are peer-reviewed scientific journals cited? If data or pictures are provided, where do these data come from?) | Can you find a good, independent, scientific source that supports the claim? If so, describe it. | Does the evidence support the claim? Does the claim make sense given your scientific knowledge and understanding? Explain. |
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| **Claim** | **Source evaluation** | **Their**  **evidence** | **Your**  **evidence** | **Reasoning** |
| *Plantsneedco2.org* makes the following claim about carbon dioxide: | The “About Us” tab of this webpage identifies its author. Read the information provided on the “About Us” tab and answer the following questions: | What evidence is provided to support the claim? Look over the evidence and data presented on the webpage and answer the following questions: | Can you find a good, independent, scientific source that supports the claim? (Hint: Look in your science textbook or on science websites.) | Does the evidence provided support the claim? Does the claim make sense given your scientific knowledge and understanding? Explain. |
| “Earth and its inhabitants need more, not less, CO2. More CO2 means more plant growth and more food per acre.” | Does the information provided about the author convince you that he is an expert on this topic?  Is the author a biased or an unbiased source?  Are any other scientists or sources of this information identified? | What types of evidence are presented?  Are the sources of the evidence named or listed?  Are these sources peer-reviewed scientific journals? | What did you find? |  |

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| **Claim** | **Source evaluation** | **Their**  **evidence** | **Your**  **evidence** | **Reasoning** |
| *Plantsneedco2.org* makes the following claim about carbon dioxide: | The “About Us” tab of this webpage identifies its author. Read the information provided on the “About Us” tab and answer the following questions: | What evidence is provided to support the claim? Look over the evidence and data presented on the webpage and answer the following questions: | Can you find a good, independent, scientific source that supports the claim? | Does the evidence provided support the claim? Does the claim make sense given your scientific knowledge and understanding? Explain. |
| “Earth and its inhabitants need more, not less, CO2. More CO2 means more plant growth and more food per acre.” | This tab says that the author is a former energy executive. What does this mean?  Do you think this means he is biased or unbiased?  Why? | What types of evidence are presented?  Are the sources of the evidence named or listed?  Are these sources peer-reviewed scientific journals? | Does your science textbook say that plants need CO2?  Does your science textbook say that more CO2 will mean more plant growth?  Does your science textbook say that more CO2 will mean more food? | I think that the claim made by the website is (correct/incorrect) because: |