

NAME \_\_\_\_\_ DATE \_\_\_\_\_

## Our Starting Point: Climate Change & Forests

We are going to learn about climate change and forests. Let's see what you already know about this subject, how you feel about it, and what you'd like to learn! This is not a graded test, just a little quiz to assess our starting point for the unit. Do not skip any questions; answer the questions as honestly as you can and don't worry about making mistakes!

### True or False

- 1. True or False: Weather and climate are two words for the same thing.**
  - a) True
  - b) False
  
- 2. True or False: The carbon cycle is the flow of carbon through living things and the environment.**
  - a) True
  - b) False
  
- 3. True or False: All carbon dioxide found in the atmosphere is a result of human activity.**
  - a) True
  - b) False
  
- 4. True or False: The Earth's climate has always been the same.**
  - a) True
  - b) False
  
- 5. True or False: Some human actions increase carbon dioxide in the atmosphere, while others decrease it.**
  - a) True
  - b) False



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- 6. True or False: Forests absorb carbon dioxide, but they can also produce it.**
  - a) True
  - b) False
  
- 7. True or False: To stop climate change, we need to stop using forest products.**
  - a) True
  - b) False
  
- 8. True or False: Traditional Ecological Knowledge of Indigenous Peoples can provide insights on how climate change has affected ecosystems.**
  - a) True
  - b) False
  
- 9. True or False: Planting trees and reducing emissions will not slow down climate change.**
  - a) True
  - b) False
  
- 10. True or False: Jobs that contribute to sustainable forestry also contribute to climate action.**
  - a) True
  - b) False

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## Match Up the Definitions

Draw a line to match up the terms with their definitions.

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|---|---|
| <ol style="list-style-type: none"> <li>1. Climate</li> <li>2. Weather</li> <li>3. Climate Change</li> <li>4. Carbon Cycle</li> <li>5. Climate Smart Forestry</li> <li>6. Carbon Sink</li> <li>7. Carbon Sequestration</li> <li>8. Carbon Source</li> <li>9. Greenhouse Gas (GHG) Emissions</li> <li>10. Carbon Footprint</li> <li>11. Carbon Neutral</li> <li>12. Climate Mitigation</li> </ol> | <ol style="list-style-type: none"> <li>a. The circulation and recycling of carbon atoms, especially through the processes of photosynthesis, respiration, and decomposition.</li> <li>b. The long-term removal of carbon dioxide from the atmosphere.</li> <li>c. The total greenhouse gas emissions caused by an individual, event, organization, service, or product.</li> <li>d. A change in global or regional climate patterns. In particular, the term refers to a change apparent from the mid-20th century onward and attributed largely to the increased levels of atmospheric CO<sub>2</sub> from the burning of fossil fuels.</li> <li>e. A carbon pool or reservoir (such as the ocean or forest) that releases more carbon than it sequesters, thus increasing the concentration of CO<sub>2</sub> in the atmosphere.</li> <li>f. Efforts to reduce the human impact on the climate system. For example, strategies that reduce GHGs and sequester more carbon from the atmosphere.</li> <li>g. The average weather over the course of months, years, decades, centuries, or more.</li> <li>h. Achieving zero carbon emissions by either eliminating them altogether or balancing emissions with efforts to remove carbon dioxide from the atmosphere.</li> <li>i. A carbon pool or reservoir (such as the ocean or vegetation) that stores more carbon than it releases, thus lowering the concentration of CO<sub>2</sub> in the atmosphere.</li> <li>j. Short-term atmospheric condition at a particular time and place.</li> <li>k. The release of carbon dioxide and other carbon-based “greenhouse gases” into the atmosphere.</li> <li>l. Forest management designed to balance society’s increasing demands for forest products and benefits, the preservation of forest health and diversity, the adaptation of forest management to climate change, and the harnessing of managed forests to combat climate change.</li> </ol> |
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### More About You

1. In general, how knowledgeable do you think you are about climate change?

- a) Very knowledgeable
- b) Fairly knowledgeable
- c) A little knowledgeable
- d) Not at all knowledgeable

2. Do you worry about how climate change will affect your future?

- a) Yes, all the time
- b) Sometimes
- c) Rarely
- d) Never

3. Have you ever experienced any impacts of climate change?

- a) Yes
- b) No
- c) Not sure

If yes, please describe:

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4. Have you ever taken any action individually or with a group of people to address impacts of climate change?

- a) Yes
- b) No
- c) Not sure

If yes, please describe:

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**5. What forest-related jobs can you think of?**

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**6. Please share a memorable moment you have had in a forest, or with a tree (1–2 sentences).**

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**7. Please suggest any actions young people can take to tackle climate change.**

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**8. Please share what you would like to learn about climate change and forests.**

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