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Crash Course CLIMATE AND ENERGY #7: Can We Capture Greenhouse Gases?

Name: _____ Date: _____

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1. Becoming carbon-neutral means reaching _____ net carbon emissions.
2. Biofuels are considered carbon-neutral because they return carbon that plants recently removed through _____.
3. The process of calculating all emissions involved in making and using a product is known as _____ accounting.
4. The current standard for measuring emissions is called the _____ Protocol.
5. When companies promote themselves as green while ignoring parts of their emissions, it is called corporate _____.
6. A more complete method of tracking emissions through the entire supply chain is known as _____ Accounting.
7. Corn ethanol is an alcohol produced by _____ the starch in corn.
8. A plant that offers more efficient biofuel production than corn is _____.
9. The key energy-containing molecule in switchgrass is _____.
10. A method that captures carbon directly at the site of emission is called _____-source carbon capture.
11. The system that removes greenhouse gases from the atmosphere regardless of where they were emitted is called _____ air capture.
12. In 2023, there are about 420 molecules of carbon dioxide per _____ molecules of air.
13. One option for carbon storage is injecting it into the _____ at the bottom of the ocean.
14. Another option for carbon storage is putting it into underground spaces left behind by _____ extraction.
15. Climate change will require a _____ of solutions, including reducing emissions, using biofuels, and capturing carbon.

Crash Course CLIMATE AND ENERGY #7: Can We Capture Greenhouse Gases?

1. Becoming carbon-neutral means reaching no net carbon emissions.
2. Biofuels are considered carbon-neutral because they return carbon that plants recently removed through photosynthesis.
3. The process of calculating all emissions involved in making and using a product is known as carbon accounting.
4. The current standard for measuring emissions is called the GHG Protocol.
5. When companies promote themselves as green while ignoring parts of their emissions, it is called corporate greenwashing.
6. A more complete method of tracking emissions through the entire supply chain is known as E-Liability Accounting.
7. Corn ethanol is an alcohol produced by fermenting the starch in corn.
8. A plant that offers more efficient biofuel production than corn is switchgrass.
9. The key energy-containing molecule in switchgrass is cellulose.
10. A method that captures carbon directly at the site of emission is called point-source carbon capture.
11. The system that removes greenhouse gases from the atmosphere regardless of where they were emitted is called direct air capture.
12. In 2023, there are about 420 molecules of carbon dioxide per million molecules of air.
13. One option for carbon storage is injecting it into the sediments at the bottom of the ocean.
14. Another option for carbon storage is putting it into underground spaces left behind by fossil fuel extraction.
15. Climate change will require a host of solutions, including reducing emissions, using biofuels, and capturing carbon.

15 Questions

Answer Key Included

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