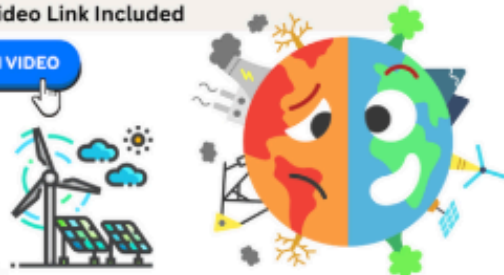


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Crash Course CLIMATE AND ENERGY #2: Why Do We Release So Much Gas?

Name: _____ Date: _____

You can access the video here → <https://youtu.be/Q36Z4fWY2yk?si=eqMaXcuJPXLbCgE>

1. Every year, humans emit about _____ billion tons of carbon dioxide and other greenhouse gases into the atmosphere.
2. Fossil fuels include coal, oil, and _____.
3. Fossil fuels are considered _____ dense, meaning they contain a lot of energy in a small amount of material.
4. Burning fossil fuels releases _____ into the atmosphere, contributing to climate change.
5. The Industrial Revolution was powered by converting _____ energy into mechanical energy.
6. The largest category of global emissions comes from _____, which includes making steel, concrete, and plastic.
7. About _____ percent of global emissions come from electricity generation.
8. Agriculture contributes around _____ percent of global greenhouse gas emissions.
9. The process of breaking down limestone to make _____ unavoidably releases carbon dioxide.
10. The transportation industry contributes about _____ percent of total global emissions.
11. Fossil fuels are used not only for energy but also to produce _____, used in everyday items like smartphones.
12. Greenhouse gases trap heat close to Earth's surface through the _____ effect.
13. Decarbonizing our energy sources could reduce emissions across all _____.
14. Wealthier countries are generally considered to bear more responsibility for decarbonizing because they have greater _____ capacity.
15. Successfully addressing climate change will require _____ collaboration.

Crash Course CLIMATE AND ENERGY #2: Why Do We Release So Much Gas? KEY

1. Every year, humans emit about **51** billion tons of carbon dioxide and other greenhouse gases into the atmosphere.
2. Fossil fuels include coal, oil, and **natural gas**.
3. Fossil fuels are considered **energy** dense, meaning they contain a lot of energy in a small amount of material.
4. Burning fossil fuels releases **carbon dioxide** into the atmosphere, contributing to climate change.
5. The Industrial Revolution was powered by converting **chemical** energy into mechanical energy.
6. The largest category of global emissions comes from **industry**, which includes making steel, concrete, and plastic.
7. About **26** percent of global emissions come from electricity generation.
8. Agriculture contributes around **21** percent of global greenhouse gas emissions.
9. The process of breaking down limestone to make **cement** unavoidably releases carbon dioxide.
10. The transportation industry contributes about **16** percent of total global emissions.
11. Fossil fuels are used not only for energy but also to produce **plastic**, used in everyday items like smartphones.
12. Greenhouse gases trap heat close to Earth's surface through the **greenhouse** effect.
13. Decarbonizing our energy sources could reduce emissions across all **industries**.
14. Wealthier countries are generally considered to bear more responsibility for decarbonizing because they have greater **economic** capacity.
15. Successfully addressing climate change will require **global** collaboration.

15 Questions

Answer Key Included

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