**Human Impact: Negative *and* Positive! Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Ch 26.1-3

Objective 6b: evaluate the human impact on greenhouse gases.

Objective 8: Compare and contrast the pros and cons of renewable and nonrenewable energy sources.

Objective 9: Develop a plan for both individuals and communities to conserve energy resources.

Part A: Carbon Footprint

1. What is a carbon footprint (ecological footprint)?
[Carbon Footprint Resource](http://css.umich.edu/factsheets/carbon-footprint-factsheet)
2. Complete the carbon footprint calculator. Insert a screenshot of your results. <http://www.footprintcalculator.org/>
3. What are some questions they asked? Why do you think they were on the assessment? Give 3 examples.

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Part B: Be the change!

1. List at least 3 changes you can make to reduce your carbon footprint.

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1. List at least 3 changes your community can make to reduce its footprint?

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1. What is carbon sequestration and why are universities studying it?

[UNL CSP](http://csp.unl.edu/public/)

[Carbon Sequestration Resource](https://pubs.usgs.gov/fs/2008/3097/pdf/CarbonFS.pdf)

Compare and contrast the pros and cons of renewable and nonrenewable resources. Give specific examples: fossil fuels, nuclear, wind, hydro, solar, geothermal, biomass. [Alternative Energy Resource](http://needtoknow.nas.edu/energy/)

Fossil Fuel Power Plant [Video](https://live.myvrspot.com/iframe?v=fZDQxM2I5ZmU0N2VhYWIxNDRmZDg5NWIyNTQ2YjhhN2I)

Wind Generator [Video](https://live.myvrspot.com/iframe?v=fNTA4NjlmYmNlZjU4ZGQ5MWYxNzcxODY5OGFkYzRiMTg)

Pumped Storage Hydroelectric System [Video](https://live.myvrspot.com/iframe?v=fMTQxYTFhOWJiYjcwMGZhOGZhODI5ZmRiMmQ3MDNmOWY)

Solar Panel [Video](https://live.myvrspot.com/iframe?v=fZTVjNmEyMzVlYTAxMDA4MDg3ZGNmNTA2OTc0NDcxYTY)

Nuclear Power Plant [Video](https://live.myvrspot.com/iframe?v=fMGI4YTVmYmI0MmVkNzk2NzI0NWRiZjk0MzI5NWM3ZGY)