

Evaluate:

Test Questions Based on the Material Covered

1. Why are trees too important to our environment? (Give at least three reasons)
2. What happened in *The Lorax* as a result of cutting down all of the Truffula trees?
3. If the numbers of trees are decreased within our environment, how does this impact the atmosphere and us humans?
4. Name a few important items we would no longer have if all trees were gone?
5. What's the meaning of our carbon footprint? Is it ideal to have a big or small footprint? Why?
6. What are some specific changes you're going to make to alter your carbon footprint?
7. Do forests have a low or high albedo rate? Why is this good for the environment? Explain.
8. What does carbon uptake by trees mean? Which tree do you think is best to plant in Michigan? Why?
9. After doing the carbon applet activity, we learned that trees are carbon sinks. If we increase the amount of trees, how does this affect the amount of CO₂ in the atmosphere?
10. How are you going to get involved within your community in order to help protect the environment?

References

American Meteorological Society's Weather Studies

Michigan Geography and Geology

Grow Your Own Newspaper Tree

<http://www.youtube.com/watch?v=pCSl0L4wXYo>

Bill Nye the Science Guy- In A World Without Wood

<http://www.watchknowlearn.org/Video.aspx?VideoID=3153&CategoryID=547>

Planet Positive: Carbon Calculator

http://www.planet-positive.org/how_2_calculator.php

The Lorax

<http://www.youtube.com/watch?v=soRbNIPbHEo>

Method for Calculating Carbon Sequestration by Trees in Urban and Suburban Settings

<ftp://ftp.eia.doe.gov/pub/oiaf/1605/cdrom/pdf/sequester.pdf>

Outdoor Michigan Trees

<http://www.outdoor-michigan.com/Trees.htm>

Carbon Applet

<http://carboncycle.aos.wisc.edu/carbon-budget-tool/>

“Young Voices on Climate Change” Video

<http://video.nationalgeographic.com/video/kids/green-kids/young-voices-trailer-kids/>

Climate Change: What You Can Do

<http://www.epa.gov/climatechange/wycd/>

[Groundswell](http://groundswellmi.org)

<http://groundswellmi.org>

Department of Natural Resources

<http://www.michigan.gov/dnr>

Grand Haven State Park

<http://www.michigandnr.com/parksandtrails/details.aspx?id=449&type=SPRK>

Muskegon State Park

<http://www.michigandnr.com/publications/pdfs/wildlife/viewingguide/slp/78Mskgn/>

Michigan Arbor Day Alliance

<http://www.miarbordayalliance.com/home.html>

Michigan Association of Conservation Districts

<http://macd.org/trees/>