

# Challenge 5: Tapping into Clean Water for All

## Suggested Resources



### ARTICLES

United States Environmental Protection Agency. (2004, June). *Water filtration* [Lesson plan]. Retrieved from <https://www.epa.gov/ground-water-and-drinking-water/water-filtration>

USGS. (n.d.). *Turbidity and water* [Website article]. Retrieved from [https://www.usgs.gov/special-topic/water-science-school/science/turbidity-and-water?qt-science\\_center\\_objects=0#qt-science\\_center\\_objects](https://www.usgs.gov/special-topic/water-science-school/science/turbidity-and-water?qt-science_center_objects=0#qt-science_center_objects)



### VIDEOS

Use your Internet browser to search for videos to show during class using the terms “measuring turbidity” or “turbidity.” Conduct this search prior to class to verify the content is appropriate for the class and the challenge.



### WEBSITES

#### Centers for Disease Control and Prevention

<https://cdc.gov/>

Suggested search keywords: healthy drinking water

#### Texas Career Check

<https://texascareercheck.com/>

Suggested search keywords: environmental scientist, environmental engineer, environmental engineering technicians, hydrologist, wastewater

# Challenge 6: Reducing Our Carbon Footprint

## Suggested Resources

### ARTICLES

NASA. (2017, August 7). *NASA finds good news on forests and carbon dioxide* [Website article]. Retrieved from <https://www.nasa.gov/jpl/nasa-finds-good-news-on-forests-and-carbon-dioxide>

U.S. Energy Information Administration. (2020, August 11). *Energy and the environment explained: Greenhouse gases* [Website article]. Retrieved from <https://www.eia.gov/energyexplained/energy-and-the-environment/greenhouse-gases.php>

### VIDEOS

Use your Internet browser to search for videos to show during class using the terms “negative emissions” or “carbon negative.” Conduct this search prior to class to verify the content is appropriate for the class and the challenge.

### WEBSITES

**The Center for Negative Carbon Emissions (CNCE)**  
<https://cnce.engineering.asu.edu/>

**NASA: Global Climate Change**  
<https://climate.nasa.gov/>

**National Aeronautics and Space Administration (NASA)**  
<https://nasa.gov/>

**NOAA Climate.gov**  
<https://climate.gov/>

**Texas Career Check**  
<https://texascareercheck.com/>

**Suggested search keywords:** environmental engineer, environmental engineering technicians, environmental restoration planners, environmental scientist, environmental science, protection technicians

**U.S. Energy Information Administration**  
<https://eia.gov/>