

SDG 6: Clean Water and Sanitation

Middle School (6-8)

Description: The EPA has many publications on every environmental subject that you can download or order. There are also predefined searches on specific search terms to help you view publication offerings from the National Service Center for Environmental Publications

Lesson Plan: <https://www.epa.gov/sites/default/files/2017-03/documents/teachersguide.pdf>

Highlights:

- This particular lesson plan focuses on acid rain; with a timeline of the EPA's acid rain project, what acid rain is, its negative impacts, etc.
- Infographic that illustrates how electricity is provided oftentimes by burning fossil fuels, and how those processes contribute to acid rain
- This guide also provides many vocabulary terms with definitions related to the concepts discussed
- The guide, while intended mostly for use by educators, also contains pages that could be distributed as class readings
- The guide outlines ways that students can actually help combat this issue, empowering them to see themselves as part of a solution
- The most useful section of the guide is the detailed experiments provided, all directly related to the concept of acid rain, with observation questions included
 - Testing pH of water and other common substances
 - Making natural pH meters
 - Soil buffering with coffee filters
 - Acid rain impacts on plant growth

