

# Environmental Science: Studying the State of Our Earth

- Module **1** Environmental Science
- Module **2** Environmental Indicators and Sustainability
- Module **3** Scientific Method

## To Frack, Or Not to Frack

The United States—like other developed countries—is highly dependent on fuels such as coal and oil that come from the remains of ancient plants and animals. However, the use of these fossil fuels is responsible for many environmental problems that include land degradation and the release of pollutants into the air and water. Natural gas, also known as methane, is the least harmful producer of air pollution among the fossil fuels; it burns more completely and cleanly than coal or oil, and it contains fewer impurities.

Due to advances in technology, oil and mining companies have recently increased their reliance on *fracking*.

**Fracking**, short for hydraulic fracturing, is a method of oil and gas extraction that uses high-pressure fluids to force open existing cracks in rocks deep underground. This technique allows extraction

Footage of flames shooting from kitchen faucets became popular on YouTube.

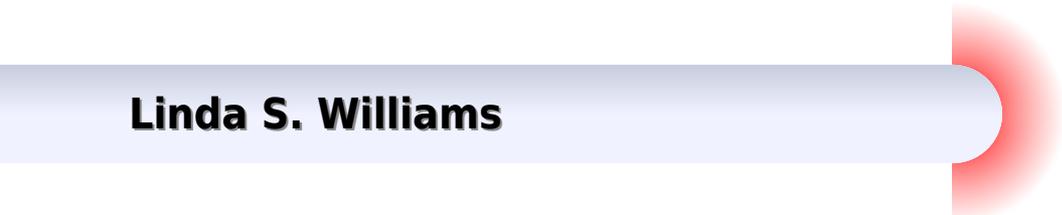
of natural gas from locations that were previously so difficult to reach that extraction was economically unfeasible. As a result, large quantities of natural gas are now available in the United States at a

lower cost than before. A decade ago, 40 percent of energy in the United States was used to generate electricity with half of that energy coming from coal. As a result of fracking, electricity generation now uses less coal and more natural gas. Since coal emits more air pollutants—including carbon dioxide—than does natural gas, increased fracking initially appeared to be beneficial to the environment.

**Fracking** Hydraulic fracturing, a method of oil and gas extraction that uses high-pressure fluids to force open cracks in rocks deep underground.

# Ap Environmental Science Chapter 1

**Linda S. Williams**



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[Friedland/Relyea Environmental Science for AP\\*](#) Andrew Friedland, Rick Relyea, David Courard-Hauri, 2011-02-15 Friedland Relyea Environmental Science for AP was specifically developed to meet the requirements of the AP Environmental Science course and the needs of its students and teachers. This highly anticipated new textbook explores the science behind environmental science and involves students with the fundamental concepts and findings that inform environmental decision making at all levels, from personal choices to national and international policy. This site will be the source for periodic updates on this exciting project as it draws closer to publication. For the latest developments or if you would like to be a part of this project as a reviewer or class tester, please contact Carlise Stenbridge.

## Adopting the Song of Expression: An Emotional Symphony within **Ap Environmental Science Chapter 1**

In some sort of used by monitors and the ceaseless chatter of instant transmission, the melodic beauty and mental symphony created by the prepared term usually diminish into the back ground, eclipsed by the relentless sound and disturbances that permeate our lives. Nevertheless, set within the pages of **Ap Environmental Science Chapter 1** a stunning literary prize full of fresh emotions, lies an immersive symphony waiting to be embraced. Crafted by an elegant musician of language, that interesting masterpiece conducts readers on a mental trip, well unraveling the hidden tunes and profound influence resonating within each carefully crafted phrase. Within the depths of the poignant analysis, we can examine the book is main harmonies, analyze its enthralling publishing design, and surrender ourselves to the profound resonance that echoes in the depths of readers souls.

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