

# Lesson 1: Environmental Introduction

“We have met an enemy  
and he is us.” -- Pogo

# Solid Waste



# Objective

- ◆ Students will be able to determine how an individual's actions are related to the world around them.



# Nevada State Standards: Grades 9-12

- ◆ N.12.B Students understand the impacts of science and technology in terms of costs and benefits to society.
- ◆ N.12.B.1 Students know science, technology, and society influenced one another in both positive and negative ways. E/S
- ◆ N.12.B.2 Students know consumption patterns, conservation efforts, and cultural or social practices in countries have varying environmental impacts. E/S

# Lesson

- ◆ Teacher read-aloud or independent reading
  - Teacher Selection or
  - “EPA orders Republic Services to remediate Sunrise Mountain Landfill in Clark County”
- ◆ Class Question
  - What do you think about the possible contamination of your drinking water resource?

# Lesson

- ◆ Think-pair-share
  - What does this contamination tell you?
- ◆ Think-pair-share
  - What do you think may happen to Sunrise Landfill?
- ◆ Answer questions independently
- ◆ Time permitting, discuss article as a group

# Questions to Answer

- ◆ What is the name of the article that you read and the name of the author? What is the source of the article (be as specific as possible)? When was this article written? Why is the date and source of this article important?
- ◆ What did you learn about the effects of solid waste on our environment (land, water, or air)?
- ◆ How can science or technology help mitigate (reduce) the effects of solid waste?

# Questions to Answer

- ◆ What can you do to help mitigate the effects of your personal waste/trash?
- ◆ What can our society do to reduce the amount of pollution in our water sources and on land?
- ◆ What could happen if our expanding populations continue to pollute the environment?
- ◆ What if the consumptive nature of our populations continue to grow?
- ◆ Describe how technology has had an impact on society both good and bad.

# How do my actions relate to the world around me?

- ◆ I can help keep the environment clean.
- ◆ I can educate myself and others about the environment.
- ◆ By reducing consumption, I am caring for the environment.



# Additional Links

- ◆ “EPA orders Republic Services to remediate Sunrise Mountain Landfill in Clark County”
  - <http://forums.startsampling.com/archive/index.php/t-19857.html>
- ◆ “Why is the world’s biggest landfill in the Pacific Ocean?”
  - <http://science.howstuffworks.com/great-pacific-garbage-patch2.htm>
- ◆ “Our Oceans Are Under a Great Threat”
  - <http://www.lclark.edu/~krauss/advwrf99/causereffect/mubarakcause.html>