



## Challenge

Garbage is everywhere, and it increases everyday. So, how do we make sure that the garbage we produce does not pollute our world?

Imagine that you are an expert in the field of Pollution Control. Your assignment is to take a closer look at the pollution problem and identify the four methods used to manage garbage. How would you educate people about your Pollution Solution? What are the most important points to communicate?



## Key Questions

- What are some ways to get rid of garbage?
- What are some problems with these methods?
- What is being done to perfect these methods?

Name: \_\_\_\_\_



**Brainstorming**

What I ALREADY know about pollution:

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What I WANT to know about pollution:

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# Gathering

Complete learning activities #41163 "Protecting the Earth" and #41164 "Reduce, Reuse, Recycle" before completing these charts.

## Trash Management

Methods of managing trash	Problems with the method	New solution
Landfill		
Burned		
Dumped		

Name: \_\_\_\_\_

Trash Solutions-The Four-R's

Method of managing trash		How it works
Reduce	→	
Reuse	→	
Recycle	→	
Reclaim	→	

Name: \_\_\_\_\_



## Analysis

Answer the following:

Using the information in your charts, which do you think are the two worst methods and the two best methods to handle trash? Explain your choices.

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Why do you think it is important to come up with new methods to limit the amount of garbage that we produce?

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List and explain five ways in which pollution affects the earth.

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## Final Project

Bringing it all together!

### Directions

#### Step 1:

Choose one of the four "Pollution Solutions" that you believe is most effective in reducing pollution and write a "Pollution Solution Slogan."

#### Step 2:

Create a poster that supports your "Pollution Solution Slogan". Your poster should include the following information:

- I nclude three facts about pollution and its effects.
- I nclude three ways people can decrease the amount of trash they produce at home.
- I nclude your slogan, a picture of pollution and a picture of something that was recycled.

Name: \_\_\_\_\_



### Rubric

(35 points total)

Questions to ask yourself before submitting the final project:	Excellent (7 points)	Satisfactory (4 points)	Needs Improvement (2 points)
Did I choose the pollution solution that I felt was the most effective and did I write the slogan?	Yes, I wrote a clear, catchy slogan that shows which pollution solution is the most effective.	I wrote a slogan, but it does not clearly show which solution I felt is the most effective.	I did write a slogan.
Did I create a poster that supports my "Pollution Solution Slogan"?	Yes, I made a creative and artistic poster that supports my Pollution Solution Slogan.	I created a poster, but it needs to support my slogan even more. It also needs to be tidier and more creative.	No, I did not create a poster that supports my Pollution Solution Slogan.
Did I include three facts about pollution and its effects?	Yes, I included three facts about pollution and its effects.	I only included two facts about pollution and its effects.	I only included one (or none) fact about pollution and its effects.
Did I include three ways people can decrease the amount of trash they produce at home?	Yes, I included three ways people can decrease the amount of trash they produce at home.	No, I only included two ways people can decrease the amount of trash they produce at home.	No, I only included one way people can decrease the amount of trash they produce at home.
On my poster, did I include my slogan, a picture of pollution and a picture of something that was recycled?	Yes, my poster has my slogan, a picture of pollution and a picture of something that was recycled.	No, my poster is missing one of the three items.	No, my poster is missing either two of the three items or all items.