



## The Effect of Ocean Pollution on Humans and the Environment

Holly Parker

1. **Note:** Because this research poster was so carefully designed, rather than reformat it in InDesign, we have left it standing as-submitted.

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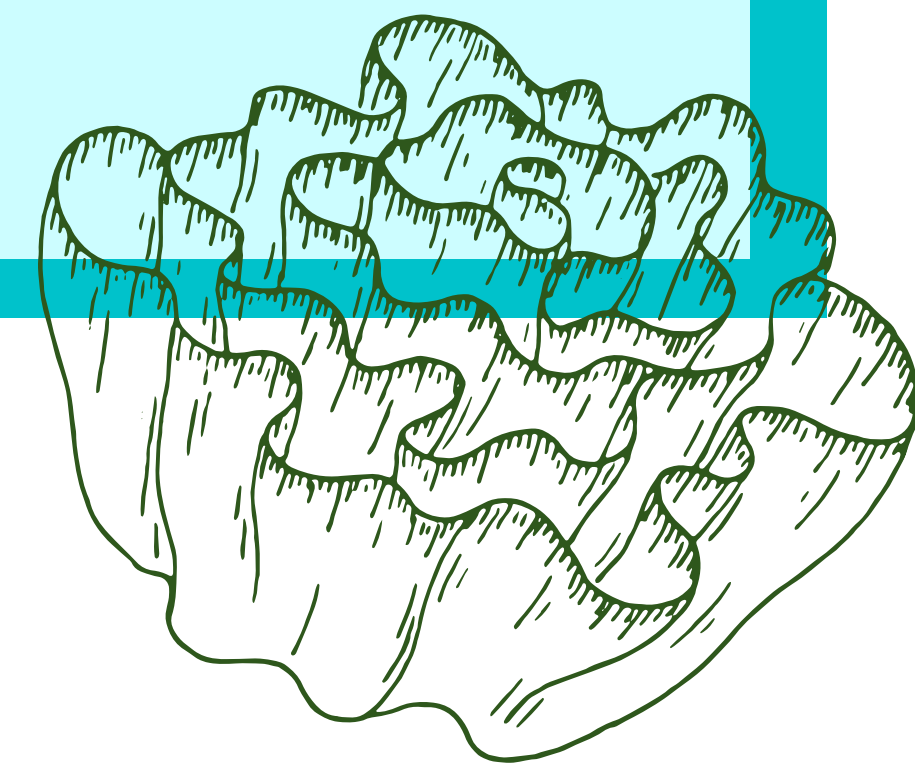


# THE EFFECT OF OCEAN POLLUTION ON HUMANS AND THE ENVIRONMENT

Holly Parker

## OVERVIEW

Ocean pollution is a growing issue in the world that has serious impacts on humans and the environment. Plastic pollution, air pollution, and runoff are some of the most influential forms of pollution. Many marine species tend to suffocate and get tangled in plastics that float in the oceans, which causes them to die off. Humans can develop serious long term health issues from consuming the toxic chemicals in pollution. It is imperative that people understand the severity of pollution and find ways to prevent it.



## RUNOFF

Runoff picks up pollutants, such as fertilizer, oil, pesticides, dirt, bacteria and more as it travels into the ocean. These materials are toxic to fish and other marine life.

## PLASTIC

When plastic items, including straws, bags, bottles etc., float in the ocean marine wildlife tend to think they are prey and will try to eat them. If humans eat fish that have ingested plastic, it can be very harmful.

## AIR

Many industries cause air pollution that travels into the oceans, affecting the marine ecosystem. Air pollution can be a leading factor for chest infections, lung diseases and heart diseases in humans.

## EVERYDAY SOLUTIONS

- Metal straws
- Reusable grocery bags
- Bars of shower products
- Reusable water bottles

## NORTH PACIFIC GYRE



The North Pacific Gyre is an island off the coast of California that holds an obscene amount of pollution.

## RESEARCH QUESTIONS

What are some efforts that can be done to prevent ocean pollution?

How can industries be more conscious about the amount of pollution they release?

What are some ways that humans are affected by harmful pollutants?

## FACTS

- It can take 20 to 500 years for plastic to decompose.
- 80% of trash in the ocean is from land-based resources.
- There is an island of garbage twice the size of Texas inside the Pacific Ocean.
- There are 500 dead zones in the ocean where organisms physically cannot live due to an abundance of pollution.
- 1.5 million tons of nitrogen pollution flows into the Gulf of Mexico every year.

**100 MILLION**

marine animals die every year due to plastic pollution

**70%**

of debris sinks into the ocean's ecosystem

**5.2 TRILLION**

pieces of plastic pollution is in our oceans



## CITATIONS

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## The Research Poster

**DUE: APRIL 25TH, 11:59PM**

A common alternative to the traditional slide deck presentation is the research poster, which uses a blend of visuals and text to summarize the focus, methods, discussion, and findings of a research project.

These posters have been a common feature of scientific conferences, where researchers convene to share their work and discoveries with colleagues.

In "[Conference Presentations: Lead the Poster Parade.](#)" ([Links to an external site.](#)) by Chris Woolston, biophysicist Anthony Salvagno, director of education for SciFund Challenge, is quoted as saying that "[t]he scientific poster remains a crucial currency for communication and connection" within the field. But over the last few years, that has changed -- for the better.

Now, research posters are a common feature of any academic conference, branch of knowledge, or professional discipline, for they serve as a quick and highly effective way of setting forth research in a visual manner.

At poster sessions, researchers typically either stand by their posters and field questions from attendees or they are allotted a specific amount of time to talk about their work as they refer to their posters.

Whichever the case, in order to capture the attention of the viewer, such posters must be usable and thoughtfully composed. The text included must be sharply and carefully summarized, any images they include must be accurately sized and complement the textual content, and the overall design must be eye-catching and easily navigable.

For this assignment, you will create a research poster that will present your major research project in visual form.

This assignment is designed to give you the opportunities to

- Practice summarizing and presenting information from a longer document in an alternate form,
- Sharpen your ability to create a visual presentation,
- Learn how to present material concisely and quickly.

***You can create your poster in PowerPoint or use the free version of Canva.com***

### Content Requirements:

You should include these sections at the very least in your research poster:

- Introduction
- Topic Discussion
- Research Claims and Ideas

- Conclusions & Recommendations
- Works Cited

### **Use of Images**

- Your poster should contain as many images as necessary to convey the content of your project.
  - Those images could be charts or graphics, or something that visually represents a point you are making about your report: argument, evidence, findings, recommendations.

### **Formatting**

- 48" X 36"
- Landscape orientation (horizontal)
- Appropriately-sized headings, text, and images. Use design principles.