

## Pesticide and Toxic Substance links

Latest Flier

### Chapter 1: Fate and Transport of Toxic Chemicals into the Arctic

Introduction: Global Distillation: Fate and Transport of Toxic Chemicals into the Arctic

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4Oj11YTY1MTMwM2E0MTYzODk>

Exercise 1: The Chemical Burden in the Belugas of the Saint Lawrence

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjQwYjRmZmU0OWFIYmUzN2M>

Exercise 2: Bioaccumulation of Toxins in Native Arctic Eskimo Populations

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjNmNDA0MTYyNDRlMmY5Mzg>

Exercise 3: Impacts of POPs in Arctic Marine Mammals

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjQ4YmU1NTE1ZWU1MGQ3YzQ>

Exercise 4: Atmospheric Dust: What is in the Air we Breathe?

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OmZmODdmYmYyNjUzYWZkMg>

Exercise 5: Airborne Methyl Mercury

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjJkODA1ZmRhMDA5ZjlkODY>

Exercise 6: Plastic Pollution: Marine Debris

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjM5NmMyNzliZjJhOTYyNml>

Chapter 1: Global Distillation: Fate and Transport of Toxic Chemicals into the Arctic (most exercises)

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4Ojc2MDNlOWJlNDk0ZDg5Mw>

### Power points

Global Distillation: Fate and Transport of Toxic Chemicals into the Arctic - pptx

<https://sites.google.com/a/kean.edu/marcia-anderson/pesticide-and-toxic-substances/fate-and-transport>

Current Polar Issues and Climate Change - pptx

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjJiYzYzOTAxOTE3Mzk>

Polar Bears on thin Ice – pptx

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4Ojc5YjRkNjgxZjNmNzQ2MTI>

Airborne Mercury

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjVhMDVjYTZkMGl0ODQ4NTE>

Atmospheric Dust

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OmU2Y2lwMzkzY2RkMGZhYQ>

(Plastic Pollution materials are now in Plastics chapter)



## Chapter 3: Plastics; Synthetic Organic Compounds

Introduction and Exercise 1: PVC

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjdjM2QzNTBjMGZhNDdIMjQ>

Introduction and Exercise 2: Phthalates

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjEyYmE0ZmJmZjcwZDgyYWQ>

Introduction and Exercise 3: Bisphenol-A

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjEyNGZjZWmWmWYzMzA2ZjE>

Exercise 4: Formaldehyde

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjI1NDU2Yjg2NDNmNmJmYzA>

Exercise 5. Dioxins

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjVkOThhM2M0ZGFhYjE4ZmY>

Exercise 6: Plastic Pollution: A Ubiquitous Problem

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjRjNzIxYmUzZmFmMmQ2NDY>

### Power point

Plastic Pollution: Marine Debris - pptx

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjdjNGM2YTdlOWRkZmU1YjA>

Teacher Aid: Pre and Post Test

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjIzNWRjYjAzMGY4OGUxN2U>

## Chapter 4 – Children’s Health; Pesticide and Toxic Substance Exposure

Children’s Health: Introduction and most exercises

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjIzYTE1MmMxOGZhZWRkZWE>

Introduction

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjE3MTI2OTEwYTA4MjY3NTU>

Exercise 1: The Exposure of Children through the Foods They Eat

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjY0NTNmYjhiMGFhNjdiYmE>

Exercise 2: The Effects of Prenatal Exposure

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjJhMWnkZTU2MDk1ZGY1OTA>

Exercise 3: Young Children and Tobacco

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjJhMWnkZTU2MDk1ZGY1OTA>

Exercise 4: Lead the Single most Significant Health Threat to American Children

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjJhMWNkZTU2MDk1ZGY1OTA>

Exercise 5: The Toxic Legacy of 9/11 for Newborns and Children

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjZiZDU3MDgyNzc2MGJmNmM>

Exercise 6: Arsenic and Apple Juice

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjY1MTBIMWFjMjhmNjMxZDU>

Exercise 7: Got Milk?

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjFhYmJhOWViNjVhM2JhNDU>

Exercise 10: Artificial Food Dyes

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjI4NDUwYjc5ZmEwMjhjOTY>

## Chapter 5 - Toxic Substances

Chapter 5: Introduction - Toxic Substances and Superfund Sites

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OmU2OWIzMGM3ZDlkNzM0Mw>

Exercise 1: Lead - A Cumulative and Persistent Problem

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjdjMGRkMGI2NTc5ZDRkN2Q>

Exercise 2: Lead – Synthetic Turf Fields

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjMmNWZhZTU1MGZlYmQ5MjQ>

More exercises to come

### Power points

Introduction to PCBs

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjZjZTM2OWRjZDdmZml2NzQ>

Case Study: PCBs in the Hudson River and General Electric

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjJjOGVmZDkxZjlmZTJhMTk>

PCBs: Betrayal of the Public

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjMzZmYyMTBjOWIxMzFiOTk>

## Chapter 6 Genetic Engineering

Chapter 6 Genetic Engineering (Introduction and all 4 exercises)

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjcyN2Y5MjAwMTFiNGYzNjE>

## Chapter 7 Superfund

### Introduction

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjM4ZDZhYWJhOTQ3YzI2NjY>

### Exercise 1: Love Canal

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjRINDc1YzE3NzRIY2ZINTI>

### Exercise 2: PAHs and the 2010 Gulf Oil Disaster

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjRhMmJiNjg4YTRhYTUxYmU>

### Exercise 3: The Few The Proud and The Forgotten, VOCs in Camp Lejeune

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjY4Y2Q3MTQ0YWM5OTNiODM>

### Exercise 4: PCBs from GE in Pittsfield, Mass.

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OmQ3ZTFhOGZjMDk3OWE0OA>

### Exercise 5: Toxic Aftermath of 9/11

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjJmJiAyNWVzZWZkNmRlZg>

### Exercise 6: Cidra: Puerto Rico

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjQ5ZWU0MDQyNjY2YzMyYTc>

### Exercise 7: Vega Baja Solid Waste Site, Puerto Rico

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjQ2NjU5NDIhZmM0NmRhZjk>

### Exercise 8: San German Ground Water Contamination Site

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjQ4ZmVjMDY1NGRjNzAwNTY>

### Exercise 9: Puerto Rican Site of Vieques Island

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjUxZTJkNDZmM2E2NmM5NTU>

### All Puerto Rican Sites Together

<https://docs.google.com/a/kean.edu/viewer?a=v&pid=sites&srcid=a2Vhbi5lZHV8bWFyY2lhLWFuZGVyc29ufGd4OjJkNWQ5NzJmOGY3MjdlOWI>