### Earth Week 2018 Lunch-and-Learn

Recognizing and Reducing Plastic Waste in Your Everyday Life



## INTRODUCTION

### Today's Overview

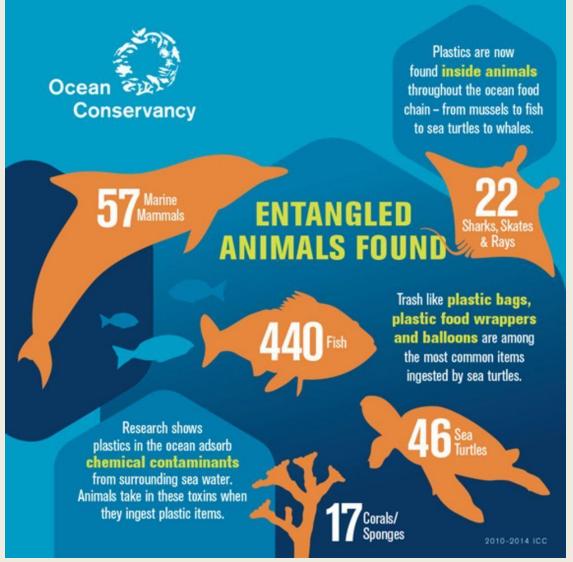
- Why focus on plastic?
- Where is the plastic waste in your life?
- What are alternatives to plastic?
- Group discussion
- Take action!



### Why is plastic bad for the Earth?

- Poisons and injures marine life
- Dangerous to humans
- Debeautifies beaches and landscapes
- Clogs landfills
- Negative impacts on groundwater and soil















Plastic bag or jellyfish?

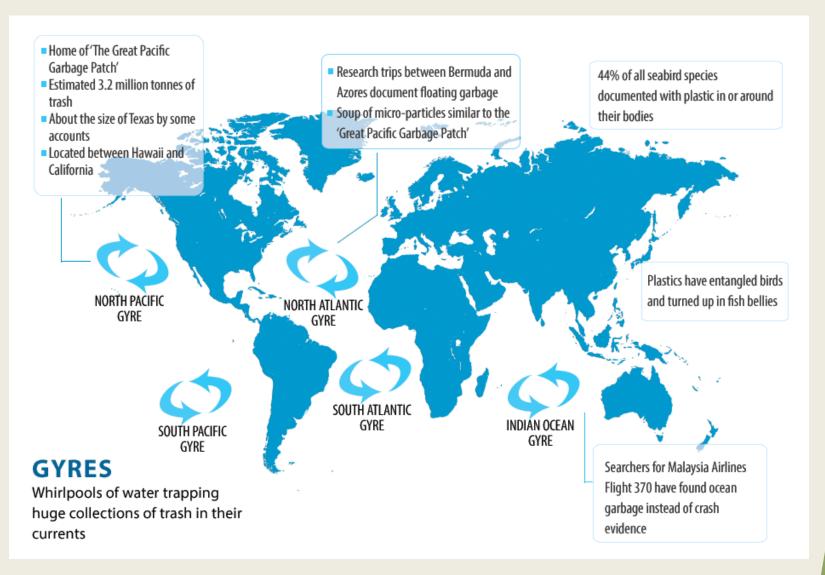
Ingestion = starvation

Many marine animals starve when they ingest indigestible plastic waste.

Others become entangled and trapped in plastic.









#### Plastic is harmful to humans

\* BPA and phthalates are believed to be "endocrine disrupters"

O BISPHENO

- Exposure to chemicals during production
- Chemical migration from plastic packaging to food
- We are what we eat!

#### Plastic is harmful to humans

- Plastics must be melted down to be recycled which emits potentially harmful fumes
- Much of plastic is shipped to developing countries with lax laws to recycle
  - Workers make \$1.5-\$2 a day and put themselves at risk for lung disease and cancer



### Clogs landfills

- \* Plastic takes thousands of years to decay
- \*"Humans have produced 18.2 trillion pounds of plastics since large-scale production began in the early 1950s, and nearly 80% now resides in landfills." -USA Today
- Only 2% of plastic bags are recycled



#### **PLENTIFUL PLASTIC**

18.2 trillion pounds of plastic has been produced worldwide since the 1950s. That's equivalent to:



1 billion Elephants 80 million Blue Whales 822,000

Eiffel Towers

25,000 Empire State Buildings

SOURCE University of Georgia / Science Advances Janet Loehrke, USA TODAY





# Negatively affects groundwater, roots, and soil

- Toxic seepage from landfills
- Impedes the flow of ground water and obstructs the movement of roots. This affects the soils organic composition and soil fertility deteriorates.







# THE SOLUTION TO OCEAN PLASTIC





#### RECOGNIZING PLASTIC WASTE

What sort of plastics do you use/consume?

What sort of plastics did you use for your lunch today?



### RECOGNIZING PLASTIC WASTE

- Plastic bags
- Plastic straws
- Plastic baggies and plastic wrap
- Plastic silverware
- To-go containers
- Food containers
- Produce and meat bags
- Plastic plates and cups



### RECOGNIZING PLASTIC WASTE

If you must use plastic, be sure to recycle!

#### What Can I Recycle?

RECYCLING DO'S & DON'TS



#### PAPER

#### ✓ Accept

Cardboard
Food Boxes
Milk, Juice & Soup Cartons
Newspapers & Inserts
Books & Magazines
Mail & Office Paper

#### Do Not Accept

No Pet Food Bags No Tissue No Gift Wrap



#### PLASTIC

#### ✓ Accept

#### Bottles, Cups & Containers:

Beverage Bottles
Dairy Containers & Lids
Household Bottles, Jars & Jugs
Produce, Bakery & Deli Containers

#### O Do Not Accept

No Plastic Bags, Wrap or Film No Motor Oil Bottles No Styrofoam



#### **METAL & GLASS**

#### ✓ Accept

Aluminum Bottles & Cans
Empty Aerosol Cans
Food & Drink Glass Bottles & Jars
Steel. Tin & Bi-metal Cans

#### O Do Not Accept

No Aluminum Pans or Foil No Empty Paint Cans



### ALTERNATIVES TO PLASTIC

What are some alternatives to plastic?



### ALTERNATIVES TO PLASTIC

- Reusable cloth bags
- Reusable bottles for water and coffee
- Stainless steel or paper straws or refuse
- Beeswax food wraps
- Paper lunch bags or reusable lunch box
- Mesh produce bags
- Ceramic or glass containers and jars
- Canned or glass bottled beverages
- Wooden toys



# DISCUSSION

Thoughts?

Questions?



### TAKE ACTION!

Start making changes now and help END PLASTIC POLLUTION.



# SOURCES

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- <a href="https://www.mayoclinic.org/healthy-lifestyle/nutrition-and-healthy-eating/expert-answers/bpa/faq-20058331">https://www.mayoclinic.org/healthy-lifestyle/nutrition-and-healthy-eating/expert-answers/bpa/faq-20058331</a>
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# Thank you!

