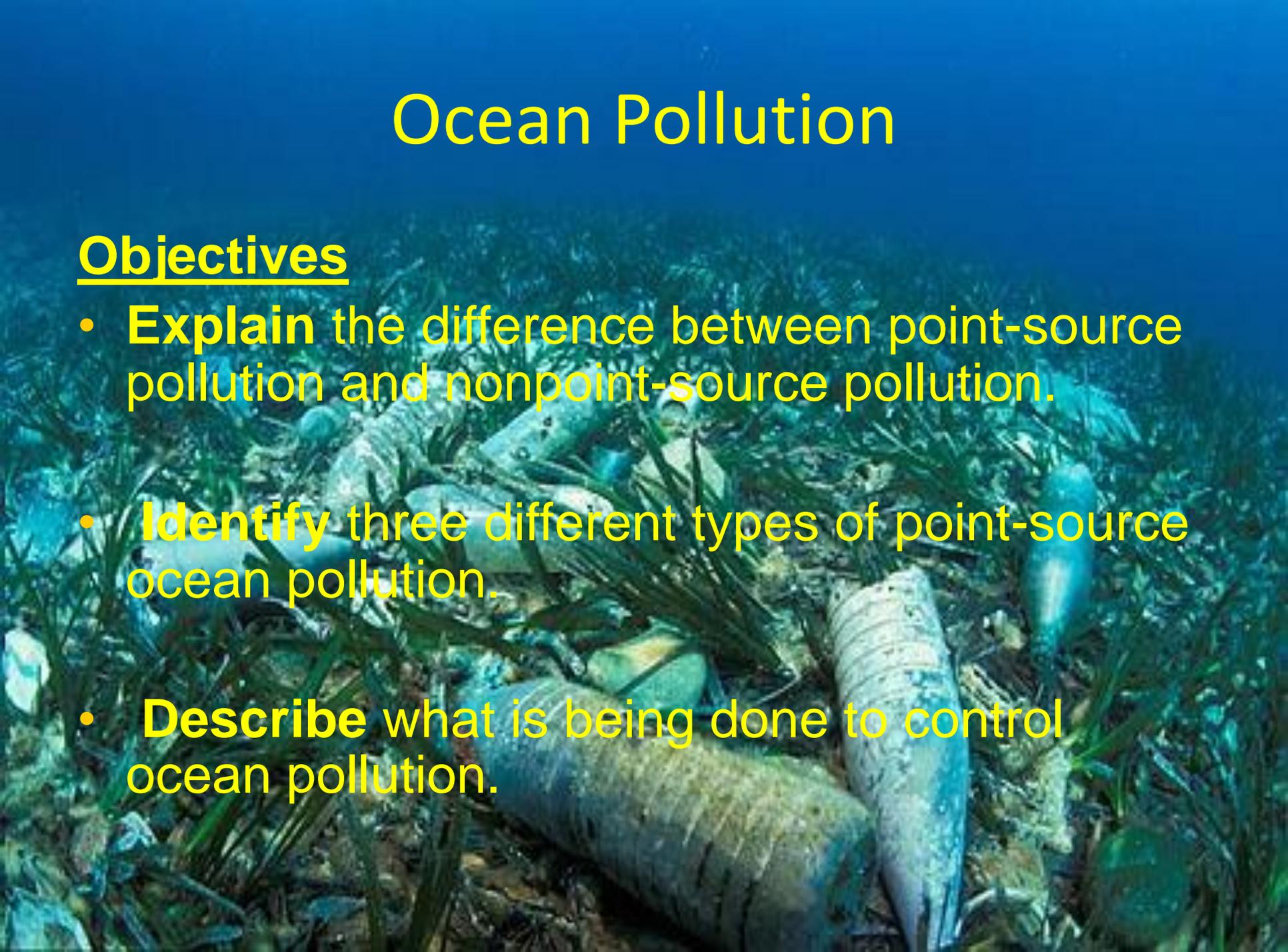


Ocean Pollution

Objectives

- **Explain** the difference between point-source pollution and nonpoint-source pollution.
- **Identify** three different types of point-source ocean pollution.
- **Describe** what is being done to control ocean pollution.



I. Nonpoint-Source Pollution

- A. What Is Nonpoint-Source Pollution?** Nonpoint-source pollution is pollution that comes from many sources rather than just from a single site.

- B. Majority of Ocean Pollution** Most ocean pollution is nonpoint-source pollution.

II. Nonpoint-Source Pollution

- A. Trash Dumping** People dump trash in many places, including the ocean.
- B. Effects of Trash Dumping** Trash thrown into the ocean can affect the organisms that live in the ocean and those organisms that depend on the ocean for food.
- C. Sludge Dumping** By 1990, the United States alone had discharged 38 trillion liters of treated sludge into the waters along its coasts.

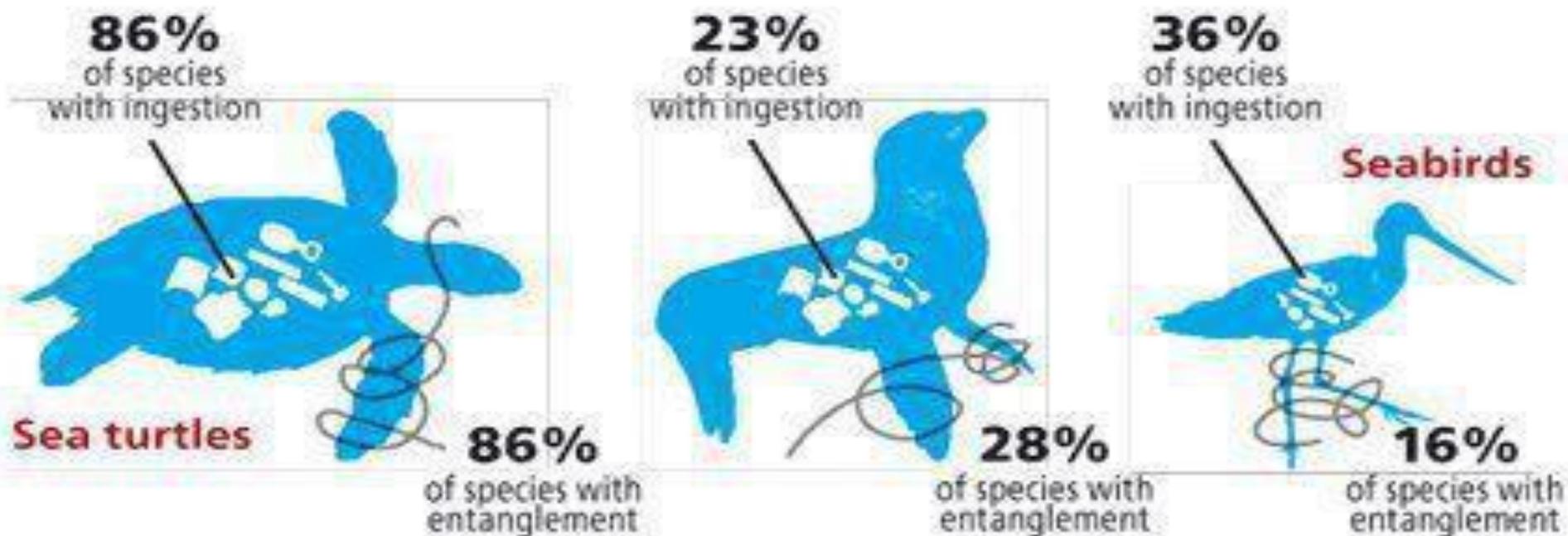




Why is non-point source ocean pollution a problem?



Percentage of marine species worldwide ingesting or entangled with plastic⁵



TOP 10 ITEMS FOUND



1 2,117,931
cigarettes / cigarette filters



6 692,767
cups, plates, forks,
knives, spoons



2 1,140,222
food wrappers / containers



7 611,048
straws, stirrers



3 1,065,171
beverage bottles (plastic)



8 521,730
beverage bottles (glass)



4 1,019,902
bags (plastic)



9 339,875
beverage cans



5 958,893
caps, lids



10 298,332
bags (paper)

Breakdown times for Common Marine Debris Items



Newspaper:
4-6 weeks



Cotton Towel:
6 months



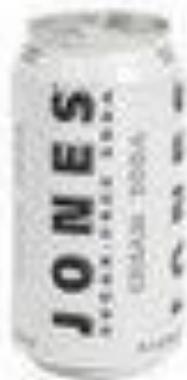
Cigarette Butt:
1-5 years



Plastic Bag:
10-20 years



Tin Can:
50 years



Aluminum Can:
80-200 years



Plastic Bottle:
450 years

Glass Bottle:
1 million years



II. Point-Source Pollution

- D. Oil Spills** If not handled properly, oil transports can turn disastrous and cause oil spills.
- E. Effects of Oil Spills** Many plants and animals can die as a result of an oil spill.
- F. Preventing Oil Spills** Today, many oil companies are using new technology to safeguard against oil spills. Tankers are now being built with two hulls instead of one.



<https://www.youtube.com/watch?v=-OVNd6Fa9fg>

III. Saving Our Ocean Resources

- A. Nations Take Notice** When ocean pollution reached an all-time high, many countries recognized the need to work together to solve the problem. Treaties have now been passed to protect the ocean.
- B. Citizens Taking Charge** Citizens of many countries have demanded that their governments do more to solve the growing problem of ocean pollution.
- C. Action in the United States** The United States has taken additional measures, such as the passage of laws, to control local pollution.