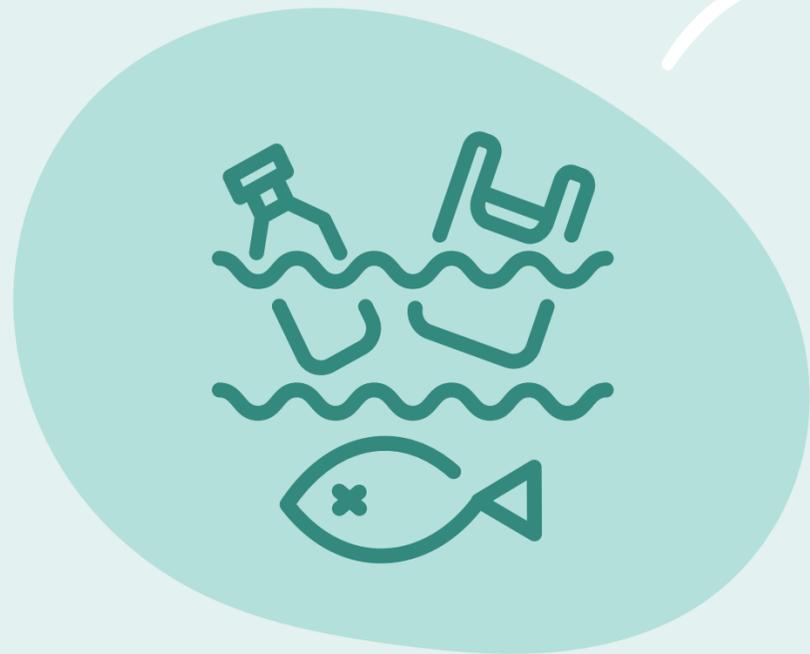


# PLASTIC POLLUTION BACKGROUND AND OVERVIEW

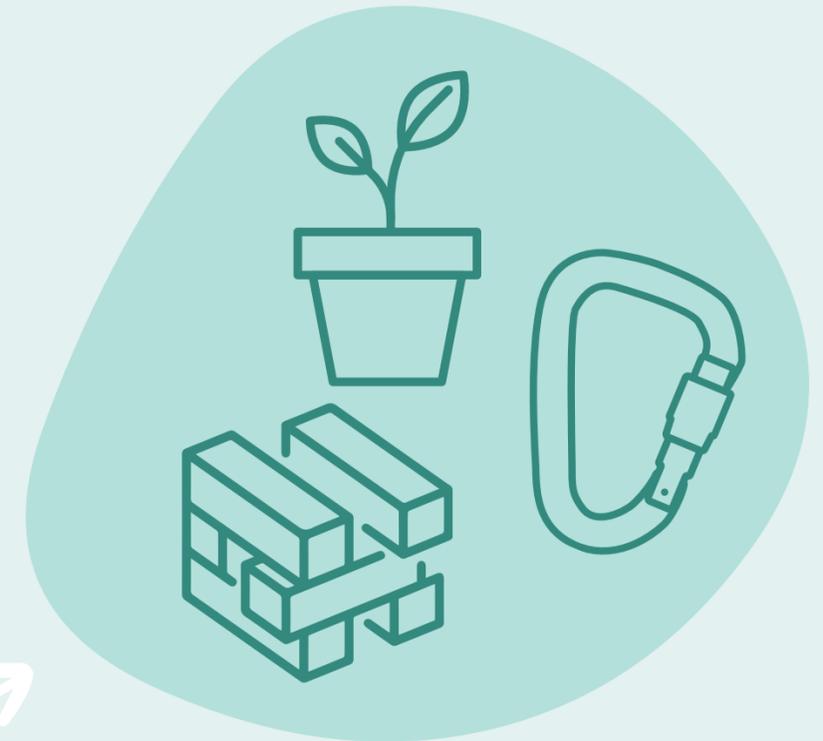
# WHAT IS TOYS FOR TURTLES?



MARINE PLASTIC DEBRIS



RECYCLING



NEW TOYS AND ITEMS

# WHAT IS MARINE DEBRIS?



# PLASTIC PRODUCTION

- PLASTIC WAS FIRST PRODUCED COMMERCIALY IN THE EARLY 1950s
- SINCE THEN, PLASTIC PRODUCTION HAS GROWN
- NOW, WE PRODUCE MORE THAN 380 MILLION TONNES EACH YEAR





NATURAL RUBBER DISCOVERED

1839



'BAKELITE' THE FIRST COMMERCIALY USED PLASTIC INVENTED

1907



PET, PE, PP, ACRYLIC AND STYROFOAM INVENTED

1935-54



FIRST 'GARBAGE PATCH' DISCOVERED

1997



SCIENTIFIC LITERATURE ON MICROPLASTIC IN THE OCEAN GROWS

2010s



1840-62

POLYSTYRENE AND PARKENSINE DISCOVERED



1926

PLASTICISED PVC DISCOVERED



1960

PLASTIC WASTE FIRST OBSERVED IN OCEAN



2004

TERM 'MICROPLASTIC' FIRST COINED



CURRENTLY

ACTIONS TO MITIGATE PLASTICS ADVANCE



# PLASTIC TIMELINE



**PLASTIC USES**

# PLASTIC ENTERING THE MARINE ENVIRONMENT



# PLASTIC IN THE OCEAN

INSIDER Science

How Big The Great Pacific Garbage Patch Really Is

**GIANT TRASH ISLAND**

Share

SCIENCE INSIDER

Watch on YouTube

The image is a YouTube video thumbnail. It features a central illustration of a large island composed of trash, including plastic bottles and bags, with green smoke rising from it. To the right, three smaller versions of the Statue of Liberty are shown on a platform, which is part of a scale-like structure. A red play button is centered over the trash island. The background is a blue sky and ocean. Text elements include the 'INSIDER Science' logo, the title 'GIANT TRASH ISLAND', a subtitle 'How Big The Great Pacific Garbage Patch Really Is', a 'Share' button, and a 'Watch on YouTube' button at the bottom left.

# SOURCES OF MARINE PLASTIC POLLUTION



**MISMANAGED  
PLASTIC WASTE  
(LITTER)**

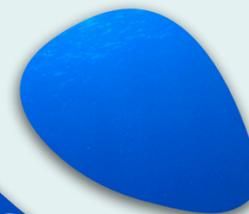
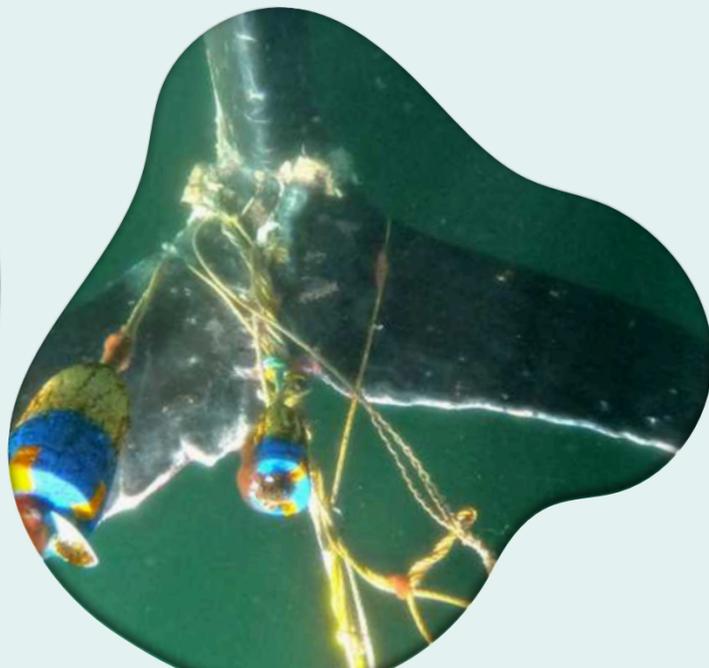


**SEA-BASED PLASTIC  
DEBRIS**



**MICROPLASTICS**

# PLASTICS AND MARINE LIFE



# PLASTIC IN ARNHEM LAND



# RECYCLING

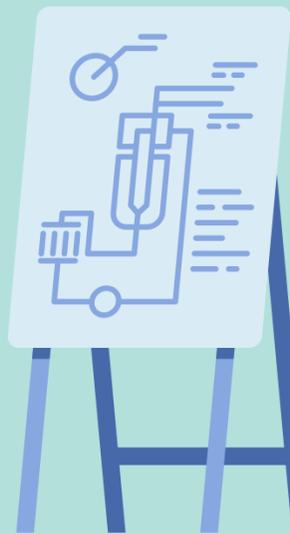


REDUCE  
REUSE  
RECYCLE

# ALTERNATIVES



# RESEARCH



# SOLUTIONS

# EDUCATION



# DISCUSSION POINTS

**WHAT BEACHES IN THE AREA HAVE YOU SEEN PLASTIC?**

**HAS ANYONE EVER HELPED OR WANTS TO HELP WITH A BEACH CLEAN?**