PLASTICS *BREAKDOWN*

WE USE TONS OF PLASTIC. IT'S IN EVERYTHING FROM PACKAGING TO TOYS, TO THE DASHBOARD IN YOUR CAR. MASSIVE AMOUNTS OF IT END UP IN THE OCEAN. IT CONTAINS TOXINS, AND ABSORBS MORE TOXINS. IT ENTANGLES AND KILLS SEA LIFE. IT CERTAINLY DOESN'T BIODEGRADE. BUT THERE ARE WAYS WE CAN HELP.



BAD FOR THE OCEAN, BAD FOR US .



OF THE 120 MARINE MAMMAL SPECIES ON THE THREATENED LIST HAVE BEEN OBSERVED ENTANGLED IN OR INGESTING PLASTIC.

92.5% OF DEAD SEABIRDS [NORTHERN FULMARS] IN A STUDY HAD INGESTED PLASTIC IN AMOUNTS EQUAL TO 5% OF THEIR BODY WEIGHT.

> AMERICANS USE ROUGHLY 100 BILLION PLASTIC BAGS PER YEAR. PLASTIC BAGS

CAN TAKE 400 TO 1,000 YEARS

TO DECOMPOSE, BUT THEIR

CHEMICAL RESIDUES REMAIN FOR YEARS AFTER.





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OF PLASTIC ARE SPREAD THROUGHOUT THE WORLD'S GYRES.

IT'S EXPENSIVE TOO...

AS OF 2009, SOUTHERN CALIFORNIA CITIES HAD SPENT OVER \$1.7 BILLION TO KEEP WATER-WAYS FROM BEING OVER LEGAL TRASH LIMITS.



PHTHALATES AND FLAME RETARDANTS HAVE BEEN FOUND IN FISH, MOLLUSKS, SEA MAMMALS, AND OTHER SEA LIFE

CHEMICALS USED IN PLASTICS LIKE





FACT:



IN PLASTIC FROM THE NORTH PACIFIC GYRE

PLASTIC IS MADE OF TOXINS

WERE USED TO MAKE U.S. PLASTIC PRODUCTS EQUAL TO ABOUT 5% OF THE NATIONAL

PLASTICS CONTAIN TOXIC CHEMICALS

PETROLEUM CONSUMPTION.

NATURAL GAS LIQUIDS

FLAME RETARDANTS

BISPHENOL-A (BPA)



40% CONTAINED PESTICIDES LIKE DDT. 50% CONTAINED PCBs (BANNED BY U.S. CONGRESS IN 1979, FOR HAVING VARIOUS NEUROTOXIC EFFECTS). 80% CONTAINED

PAHs (MAY BE HIGHLY CARCINOGENIC).

FLOATING TOXIC

IN TURN IS CONSUMED BY US.

RESEARCH PROVIDED BY OCEAN CONSERVANCY, 5 GYRES, AND OTHERS INFOGRAPHIC BY WWW.ABRAHAMTHINKIN.COM FOR ONE WORLD ONE OCEAN I 2012

CURRENTS CARRY THE PLASTIC EVERYWHERE.

CIRCULAR CURRENTS (GYRES) THOUSANDS OF MILES

RUBBER DUCKS LOST FROM A SHIPPING CONTAINER IN THE NORTH PACIFIC WERE FOUND NEAR SCOTLAND. IN THE NORTH ATLANTIC. TSUNAMI DEBRIS FROM JAPAN

ARRIVED IN NORTH AMERICA, AFTER CROSSING THE

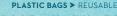
LARGEST OCEAN ON EARTH IN JUST 10 MONTHS.

THE WORLD'S GYRES

HOW MUCH PLASTIC ENDS UP IN THE OCEAN? •

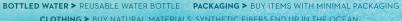
8 OF THE TOP 10 ITEMS FOUND ON BEACHES DURING

LAST YEAR'S INTERNATIONAL COASTAL CLEAN-UP DAY WERE PLASTICS RELATED TO EATING & DRINKING.





TO GO CUPS > REUSABLE MUGS & CUPS | ELECTRONICS > REPAIR OR UPGRADE, RECYCLE THE OLD ITEM WHEN YOU NEED SOMETHING NEW.





WHAT CAN WE DO TO HELP?

USE LESS PLASTIC

OF THE WORLD'S OCEANS.







ACROSS COLLECT IMMENSE AMOUNTS OF PLASTIC IN ALL







CLOTHING > BUY NATURAL MATERIALS, SYNTHETIC FIBERS END UP IN THE OCEAN

