

TYPES OF PLASTIC AND MICROPLASTICS

OVERVIEW

PLASTIC VARIES, DEPENDING ON
WHAT IT IS USED FOR

SOME IS FLEXIBLE, SOME IS RIGID

TYPES OF PLASTIC

RESIN IDENTIFICATION CODE (RIC) SYSTEM



PET

**POLYETHYLENE
TEREPHTHALATE**



**WATER BOTTLES,
JARS, CAPS**



HDPE

**HIGH-DENSITY
POLYETHYLENE**



**SHAMPOO
BOTTLES,
GROCERY BAGS**

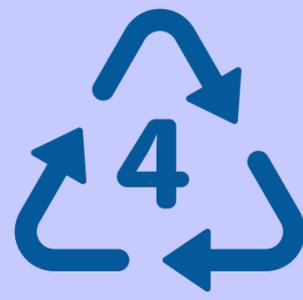


PVC

**POLYVINYL
CHLORIDE**



**CLEANING
PRODUCTS,
SHEETINGS, PIPES**



LDPE

**LOW-DENSITY
POLYETHYLENE**

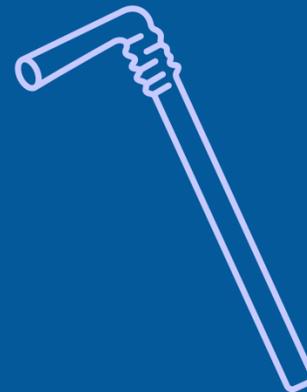


**BREAD BAGS,
PLASTIC FILMS**



PP

POLYPROPYLENE

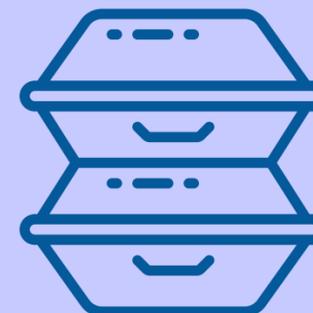


**YOGHURT CUPS,
STRAWS,
HANGERS**



PS

POLYSTYRENE



**TAKE-AWAY AND
HARD
PACKAGING**



OTHER

OTHER



**BABY BOTTLES,
NYLON, CDS**

HOW DO WE TELL THEM APART?

- PLASTIC IS OFTEN MARKED WITH THE SYMBOL OF WHICH TYPE IT IS
- LIDS ARE OFTEN MARKED ON THE INSIDE
- THE TYPE OF PLASTIC MATTERS WHEN IT COMES TO RECYCLING



HDPE

HARDER LIDS
FROM SOFT
DRINK BOTTLES

HIGHER
MELTING TEMP



LDPE

MORE FLEXIBLE
MILK BOTTLE
LIDS

LOWER
MELTING TEMP

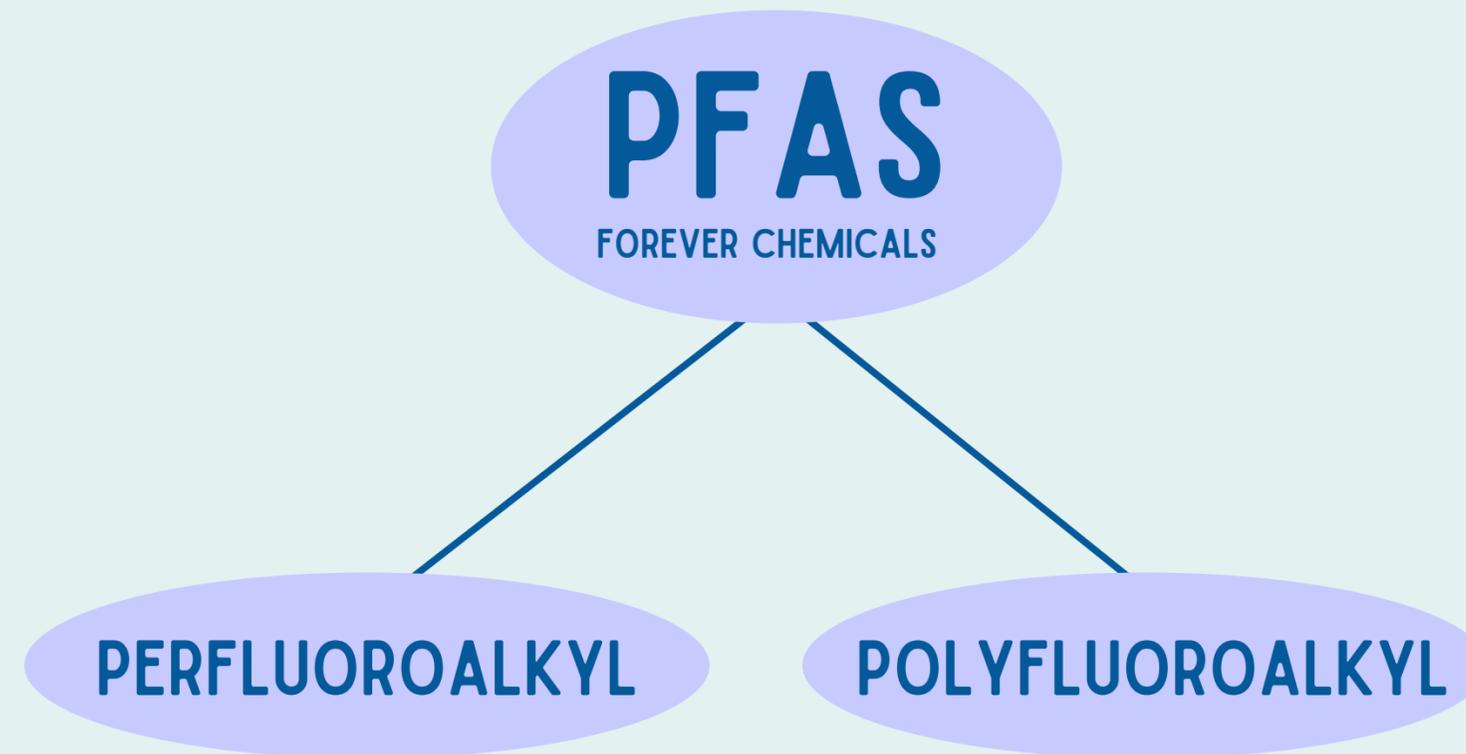


DISCUSSION POINTS

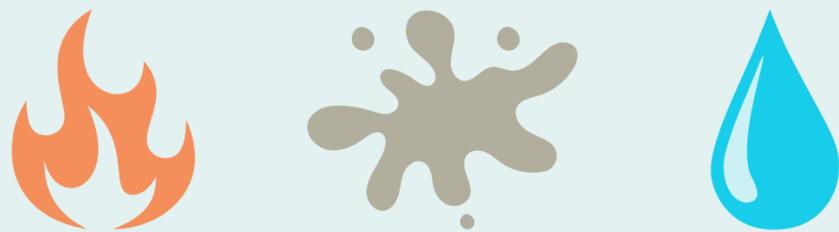
**WHAT TYPE OF PLASTIC ARE YOUR
ITEMS MADE FROM?**

IS THERE PLASTIC IN YOUR CLOTHING?

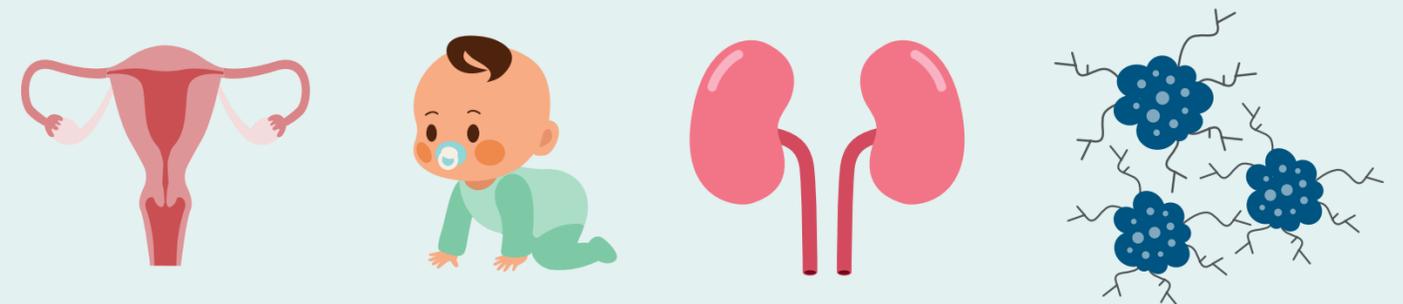
PFAS & PLASTIC



MAKE PRODUCTS RESISTANT TO:



EFFECT ON HUMAN HEALTH:



PFAS

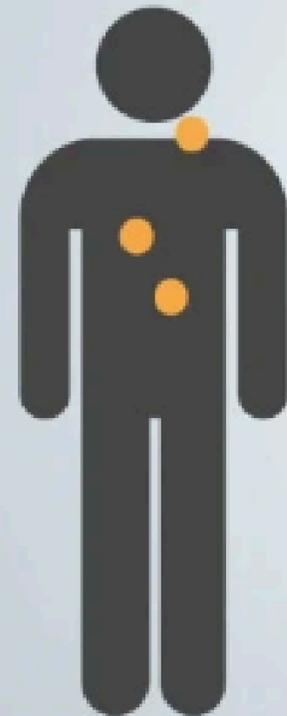


Explained: What are PFAS compounds and how can they affect human health?



Share

PFAS



Watch on  YouTube

The background is a light blue color with a pattern of various colorful abstract shapes and wavy lines. The shapes include circles, ovals, irregular blobs, and elongated rectangles in shades of red, purple, green, and cyan. Wavy lines in various colors (green, blue, orange, purple) are scattered across the page, some resembling ripples or stylized waves.

WHAT ARE MICROPLASTICS?

DEFINITION OF MICROPLASTIC

PLASTIC LESS THAN 5_{MM}

TYPES OF MICROPLASTIC

PRIMARY MICROPLASTIC

PLASTIC PIECES THAT WHEN PRODUCED ARE <5MM



NURDLES

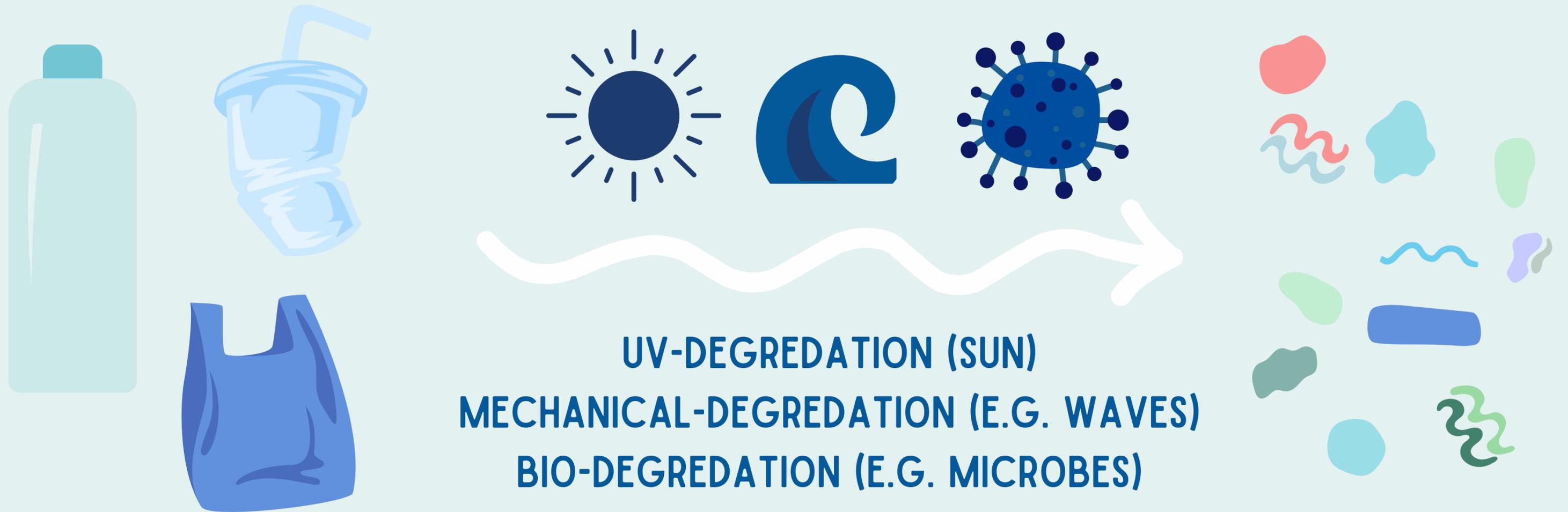


SECONDARY MICROPLASTIC

PLASTIC PIECES THAT BREAKDOWN INTO MICROPLASTICS



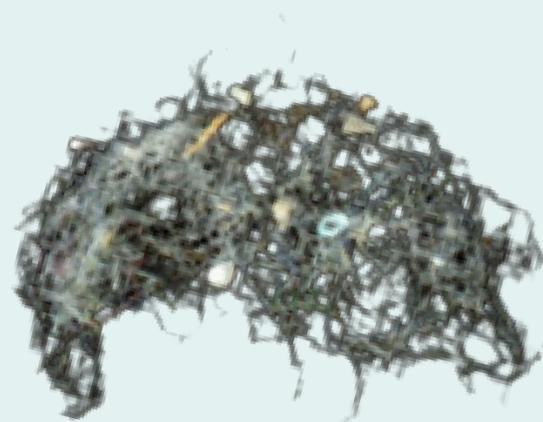
MICROPLASTIC DEGRADING



TYPES OF MICROPLASTICS FOUND



FRAGMENTS



FILAMENTS



FOAM



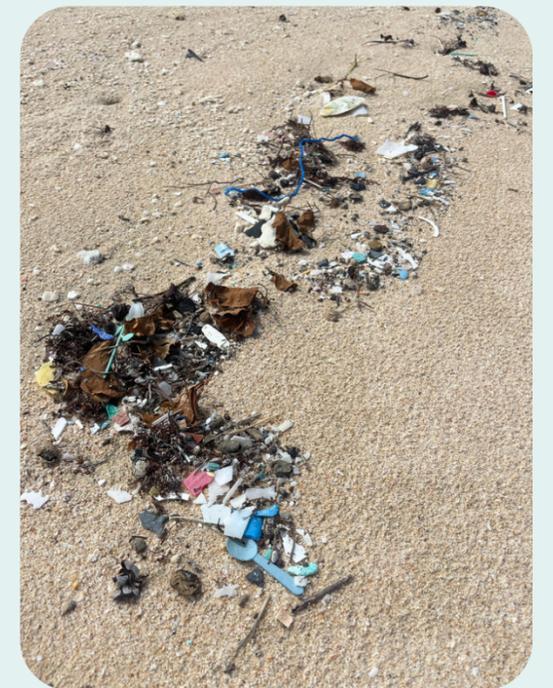
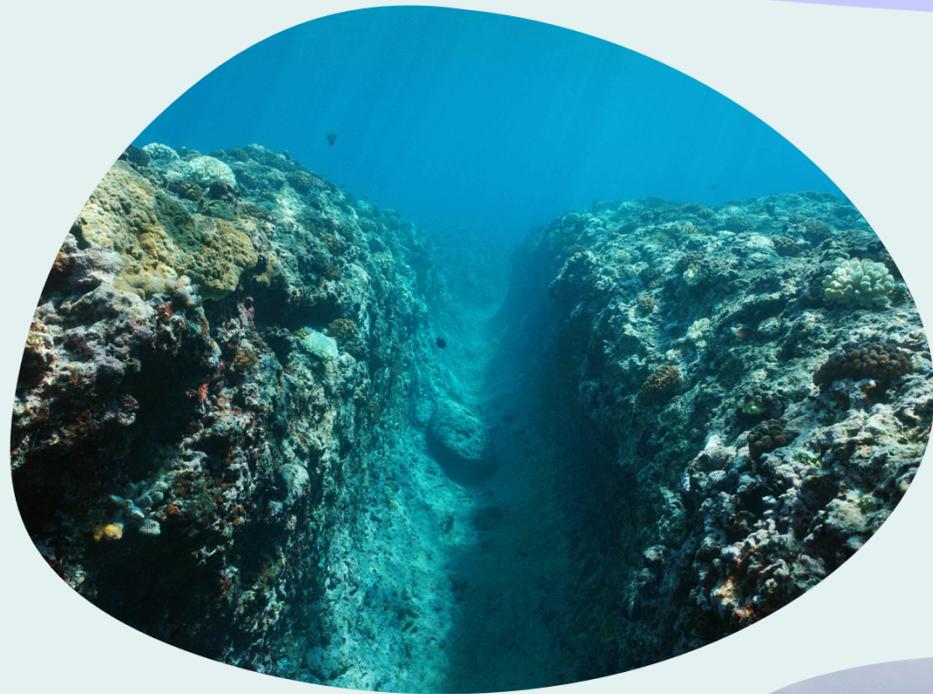
FILM



PELLETS

MICROPLASTIC IN THE ENVIRONMENT

MICROPLASTICS ARE EVERYWHERE, THEY HAVE BEEN FOUND IN THE MARIANA TRENCH, ANTARCTICA, AND EVEN IN THE CLOUDS...



MICROPLASTIC ON THE BEACH IN ARNHEM LAND, NORTHERN TERRITORY. WANUWUY (CAPE ARNHEM) AND DHAMBALIYA (BREMER ISLAND)

HOW MICROPLASTICS AFFECT YOUR HEALTH

UN environment programme

How microplastics affect your health

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that are added to plastic.

PRACTICAL

**COMPLETE THE WORKSHEET ABOUT
TYPES OF PLASTIC**