

SOURCES OF PLASTIC AND ITS LIFE CYCLE

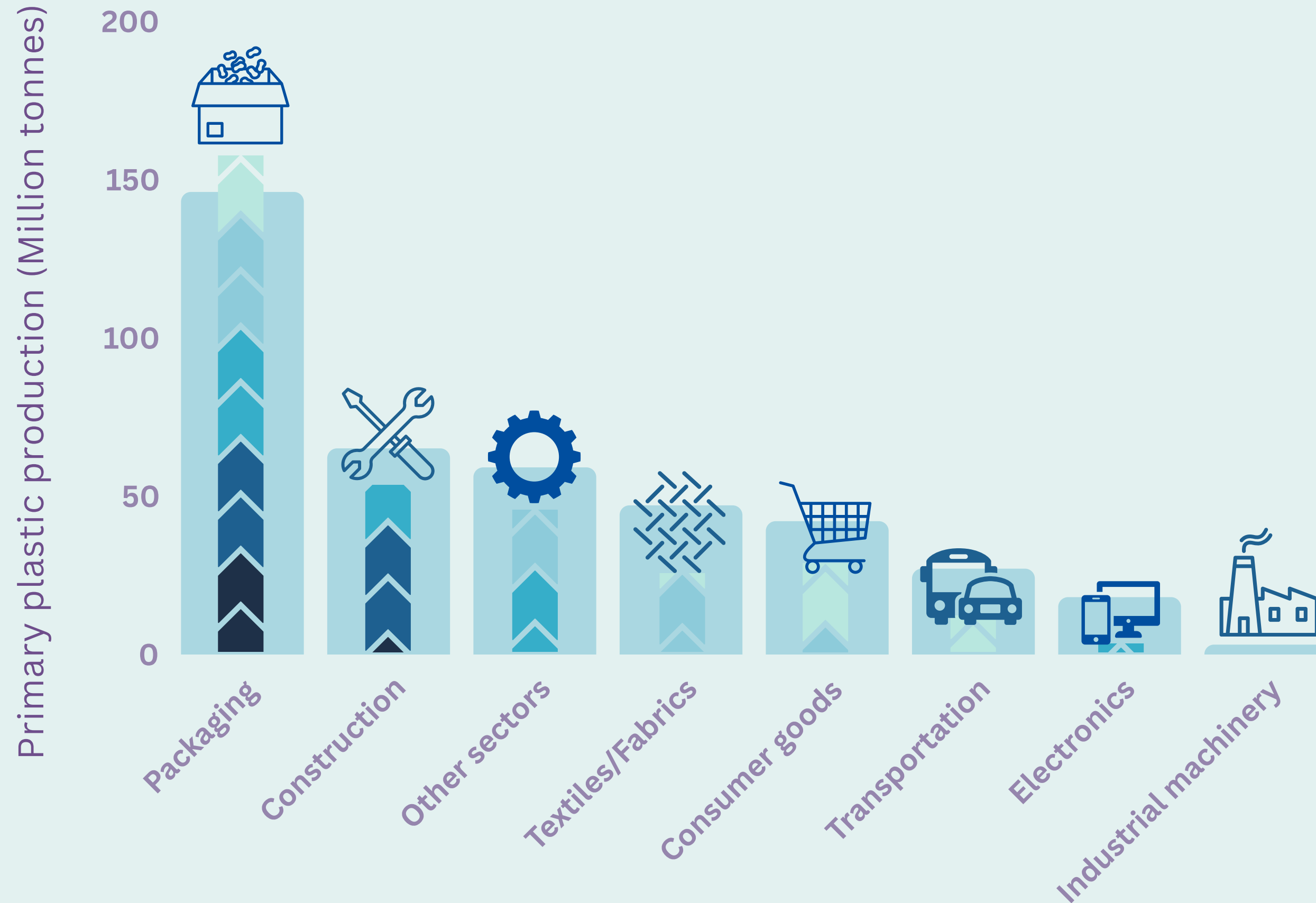
DISCUSSION

HOW DO WE ALL USE
PLASTIC?



PLASTIC USES

INDUSTRY PLASTIC PRODUCTION



BUT WHERE IS ALL THIS PLASTIC GOING?

9%
IS RECYCLED

12%
IS BURNT

78%
GOES TO
LANDFILL

1%
GOES INTO THE
OCEAN

SOURCES OF OCEAN PLASTIC



**MISMANAGED
PLASTIC WASTE
(LITTER)**

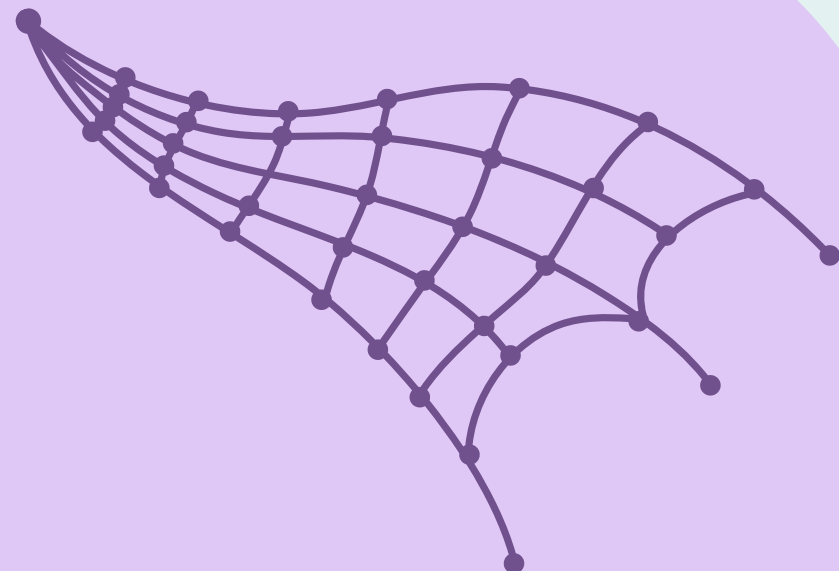


**SEA-BASED PLASTIC
DEBRIS**



MICROPLASTICS

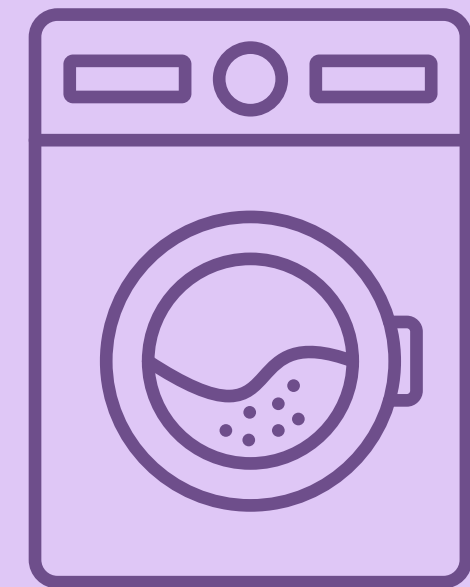
EXAMPLES



FISHING NETS
ENOUGH LOST AT SEA
EVERY YEAR TO
CIRCLE EARTH MORE
THAN 18 TIMES



CLOTHING
NEARLY 70 BILLION
ITEMS ARE MADE OF
PLASTIC EACH YEAR

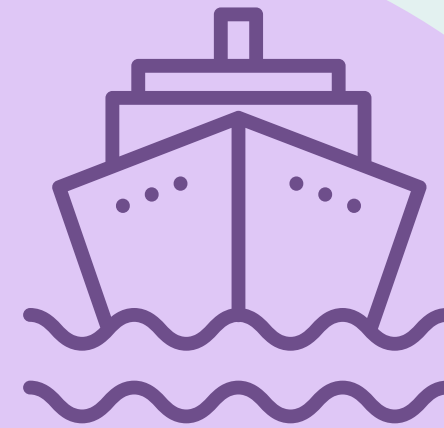


FIBRES
ONE MILLION
MICROPLASTICS PER
LOAD OF WASHING

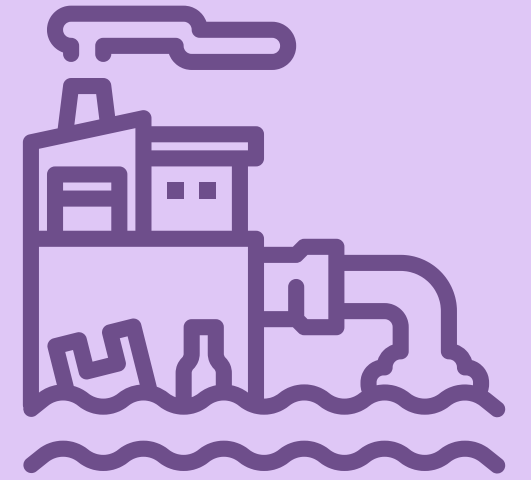
PATHWAYS



WIND



DIRECT INPUT
TO OCEANS



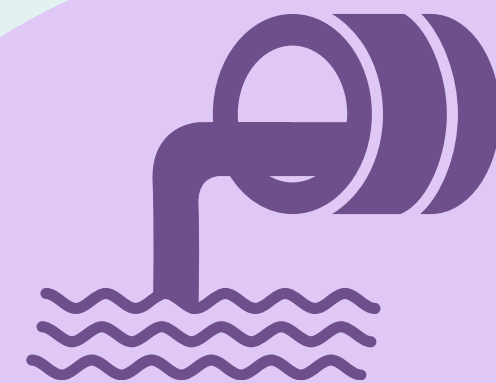
WASTEWATER



ATMOSPHERE



RIVERS



RUNOFF (E.G. URBAN,
AG, INDUSTRY)

DISCUSSION POINTS

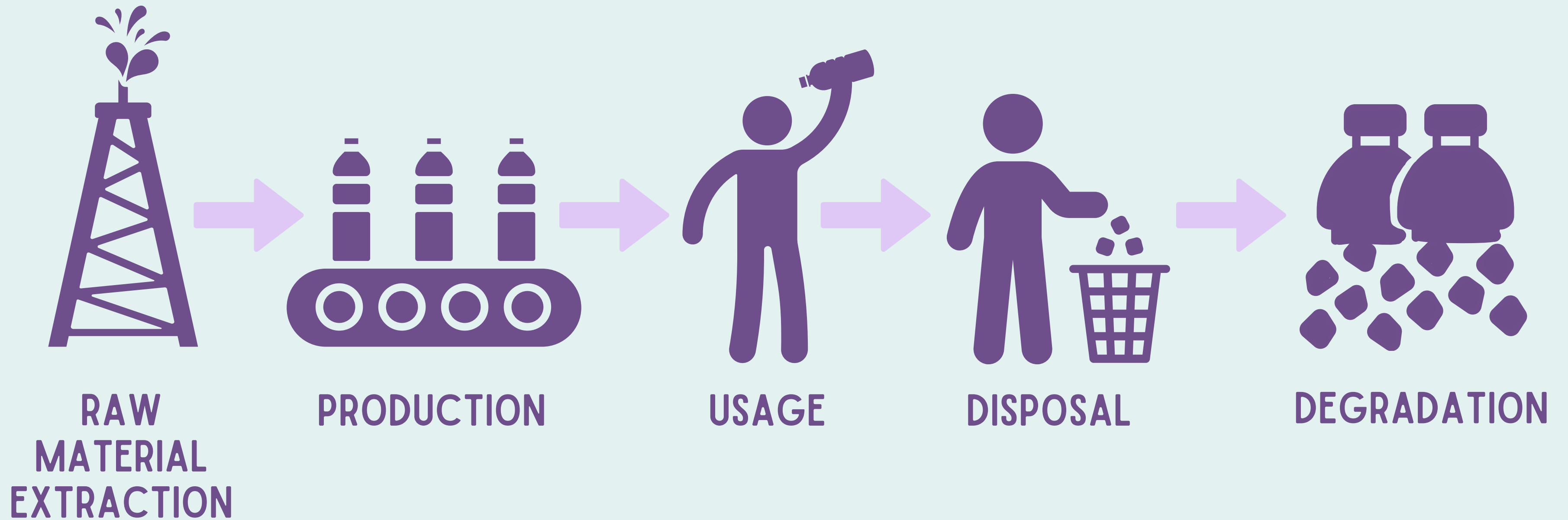
LOCAL SOURCES

HAS ANYONE EVER FOUND PLASTIC ON THE BEACH
THAT THEY CAN RECOGNISE THE SOURCE OF?

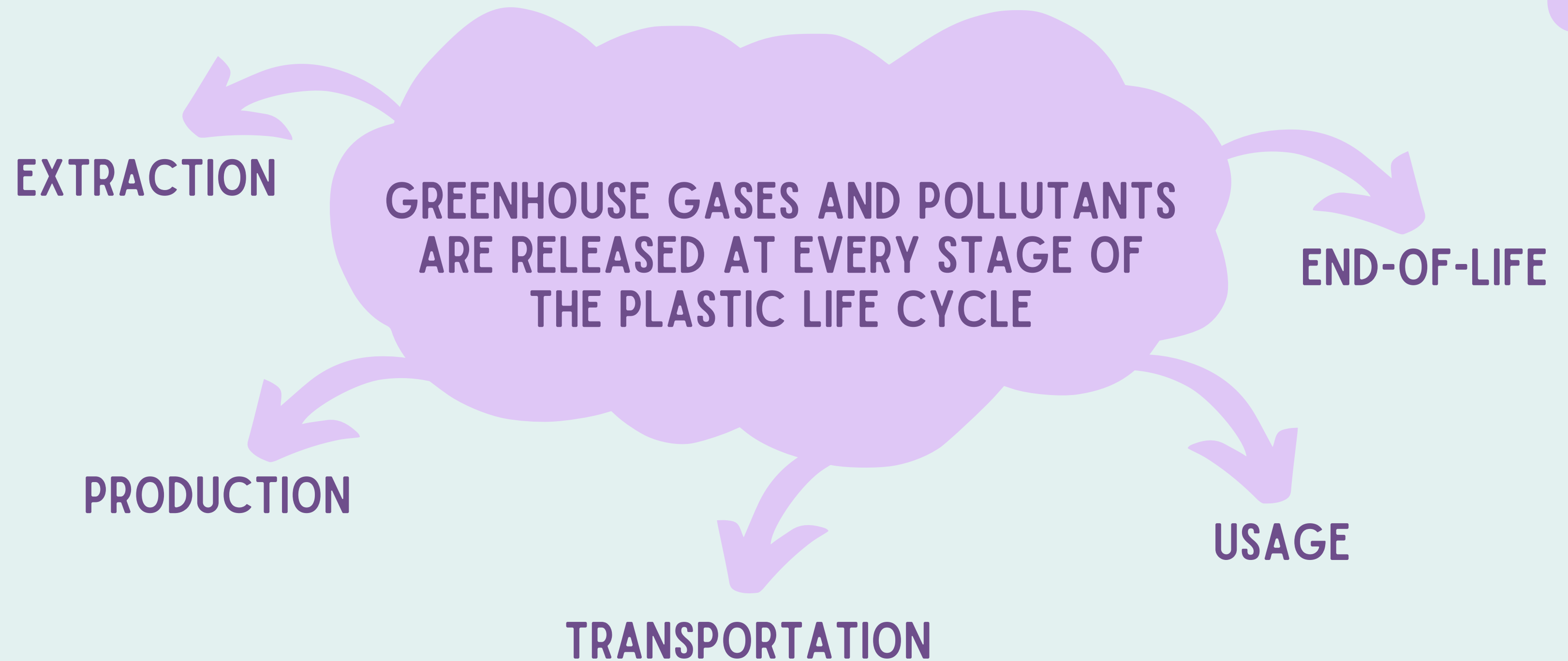
SEA SHEPHERD & DHIMURRU ABORIGINAL CORPORATION



LIFE CYCLE OF PLASTIC



PLASTIC EMISSIONS



THE END-OF-LIFE CYCLE OF PLASTIC



PLASTIC CAN TAKE
HUNDREDS OF
YEARS TO
BREAKDOWN

PLASTIC DOES
NOT BIODEGRADE
LIKE ORGANIC
MATERIALS

IT BREAKS INTO
SMALLER PIECES
CALLED
MICROPLASTICS

EVEN THEN

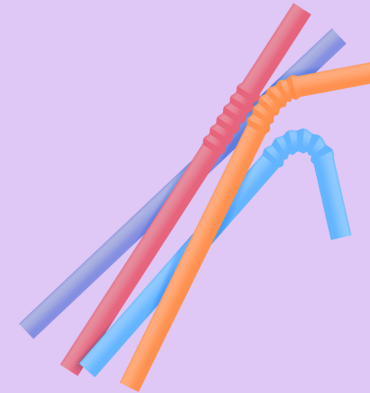
BREAKDOWN TIMES FOR COMMON ITEMS



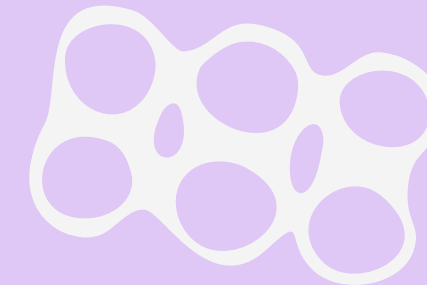
PLASTIC BAG
20 YEARS



COFFEE CUP
30 YEARS



PLASTIC STRAW
200 YEARS



6-PACK RINGS
400 YEARS



PLASTIC BOTTLE
450 YEARS



PLASTIC CUP
450 YEARS



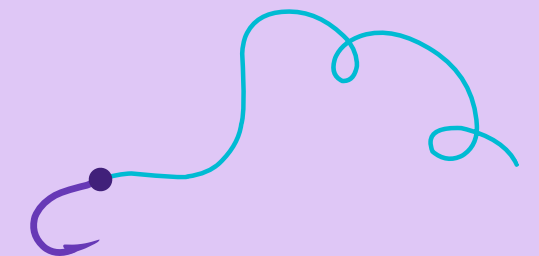
COFFEE POD
500 YEARS



DISPOSABLE NAPPY
500 YEARS



TOOTHBRUSH
500 YEARS



FISHING LINE
600 YEARS

LIFE CYCLE OF PLASTIC



PRACTICAL

**COMPLETE THE WORKSHEET ABOUT
PLASTIC SOURCES**