

LESSON THREE WORKSHEET

SOURCES OF PLASTIC POLLUTION

LIST 10 ITEMS AROUND YOUR CLASSROOM THAT ARE MADE OUT OF PLASTIC:

WHICH INDUSTRY HAS THE HIGHEST PRIMARY PLASTIC PRODUCTION?
(CIRCLE ONE)

TEXTILES/FABRICS

TRANSPORTATION

CONSUMER GOODS

CONSTRUCTION

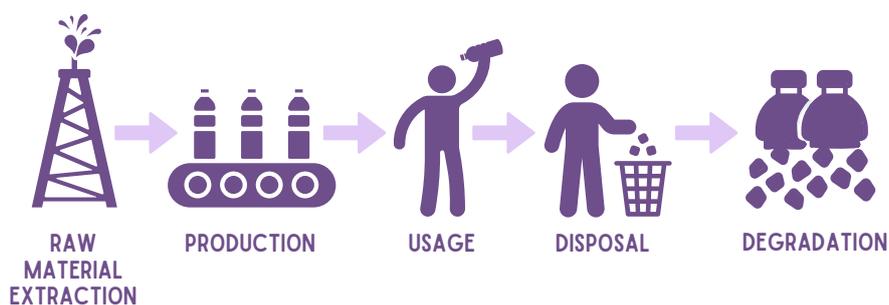
ELECTRONICS

PACKAGING

LIST THREE OF THE PATHWAYS THROUGH WHICH PLASTIC ENTERS THE OCEAN:

WIND, ATMOSPHERE, RIVERS, DIRECT INPUT TO OCEANS,
WASTEWATER, RUN OFF (E.G. URBAN AG, INDUSTRY)

WHAT ARE THE 5 STAGES OF THE LIFE CYCLE OF PLASTIC?



WHAT STAGES OF THE PLASTIC LIFE CYCLE ARE GREENHOUSE GASES AND POLLUTANTS RELEASED? (CIRCLE ONE)

PRODUCTION

TRANSPORTATION

END-OF-LIFE

USAGE

EXTRACTION

ALL OF THE LISTED

TRUE OF FALSE: PLASTIC CAN BREAK DOWN LIKE ORGANIC MATERIALS, IT JUST TAKES A LONG TIME

FALSE, PLASTIC DOES NOT BREAK DOWN LIKE ORGANIC MATERIALS, IT BREAKS INTO SMALLER PIECES CALLED MICROPLASTICS

HOW MANY YEARS DOES IT TAKE EACH COMMON ITEM TO BREAKDOWN?



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



DISPOSABLE NAPPY
500 YEARS



TOOTHBRUSH
500 YEARS



FISHING LINE
600 YEARS