

PLASTICS - INTERACTIVE KNOWLEDGE MAP

WORLD ASSOCIATION OF TECHNOLOGY TEACHERS <https://www.facebook.com/groups/254963448192823/> www.technologystudent.com © 2018 V.Ryan © 2018

INSTRUCTIONS

Place an 'X' in each circle as you complete each exercise

START

NAME 5 PLASTICS PRODUCED FROM CRUDE OIL



WHAT IS THE PURPOSE OF AN OIL REFINERY?

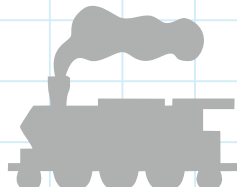
DRAW A LABELLED DIAGRAM OF A DISTILLATION TOWER



WHAT IS A THERMOSETTING PLASTIC?



WHAT IS A THERMOPLASTIC?



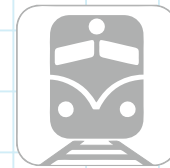
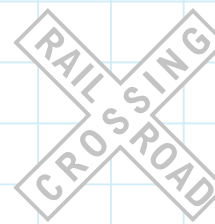
NAME 5 THERMOPLASTICS

NAME 5 THERMOSETTING PLASTICS

WHAT IS A LONG CHAIN MONOMER?

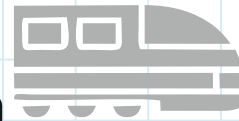
WHAT IS A MONOMER?

WHAT ARE POLYURETHANE AND FOAM RUBBER?



WHAT ARE THERMOPLASTIC ELASTOMERS (TPEs)?

LIST 5 TPEs

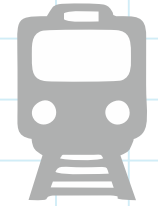


LIST GENERAL USES OF TPEs

WRITE A FEW WORDS ABOUT BIOPOL

1 DISADVANTAGE OF TPEs?

DESCRIBE IN DETAIL 1 PRACTICAL APPLICATION OF TPE



LIST DISADVANTAGES OF BIOPOL

WHAT IS POLYLACTIDE?

FOUR EXAMPLES OF PLA's PRACTICAL APPLICATION

SKETCH THE LIFE CYCLE OF PLA

LIST PRACTICAL APPLICATIONS OF BIOPOL

FINISH