

MATERIALS RECYCLING SYMBOLS AND EXAMINATION QUESTIONS

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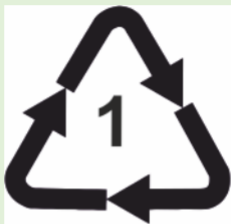
This mobile revision pdf takes you through a range of recycling symbols for materials. Also, many of the symbols are followed by examination questions, with links to helpful information.

Tap the blue button to view all recycling symbols and questions covered by this Revision PDF



PET Polyethylene Terephthalate

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PET
Polyethylene
Terephthalate

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PET Polyethylene Terephthalate

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Tap the link button for more information on this polymer. *List SIX facts about this materials*



PET is ideal for Vacuum Forming food packaging. *Draw a labelled sketch, explaining this industrial process*



Tap the link button

Why is PET ideal for food packaging? Give three detailed reasons.



Tap the link button

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HDPE HIGH DENSITY
POLYETHYLENE

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HDPE
High Density
Polyethylene

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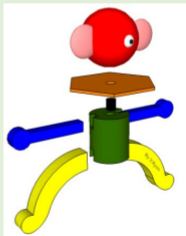
HDPE HIGH DENSITY POLYETHYLENE

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Below is a child's toy. It is constructed from a playset, made up of many different heads, arms, bodies etc... each part pushes in position, forming an entire character. They are manufactured from HDPE.

1. Why HDPE suitable for the playset?
2. Why is Injection Moulding a suitable manufacturing process?

Tap the image
for helpful
information



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page.



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first page



PVC POLYVINYL CHLORIDE

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PVC
Polyvinyl
Chloride

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PVC POLYVINYL CHLORIDE

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1. List four products manufactured from PVC

2. Why is PVC suitable for the manufacture of the products you have listed?

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LDPE LOW DENSITY POLYETHYLENE

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LDPE
Low Density
Polyethylene

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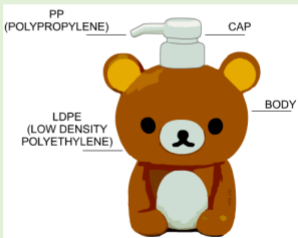
LDPE LOW DENSITY POLYETHYLENE

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Carefully study the soap dispenser. It is manufactured from LDPE (Low Density Polyethylene). It has been manufactured through the process called extrusion blow moulding.

1. Explain the process 'extrusion blow moulding'. Include notes and labels.

Tap the image for helpful information



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PP POLYPROPYLENE

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PP POLYPROPYLENE

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Probably one of the most used chairs in the world is Robin Day's Polyprop Chair of 1963, which continues to be manufactured to this day.

1. Write a paragraph about this product, including why you think it has been a successful design

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PS POLYSTYRENE

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PS POLYSTYRENE

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Expanded polystyrene is one cause of 'white pollution'.

1. What is white pollution?

Tap the image for helpful information

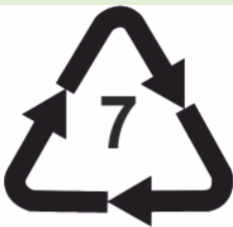


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**OTHER polymers
/ resins
and mixtures**

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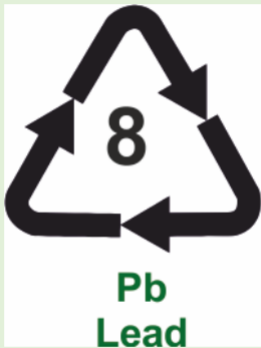


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LEAD

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CARDBOARD

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PAP
Cardboard
including
Currugated

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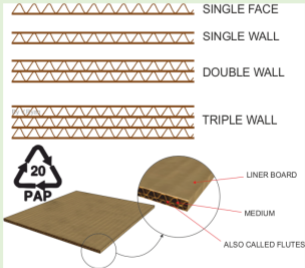


CARDBOARD

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1. What is the name of the material shown below?
2. Write a short description of the material – structure and uses..

Tap the image for helpful information



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PAP MIXED PAPER, MAGAZINE, MAIL

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PAPER

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PAP
**Paper and
other Paper**

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PAPER

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1. How is paper manufactured?
Include a sketch and brief notes

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STEEL

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STEEL

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Steel is an alloy, that can be recycled.

1. What is an alloy?

Tap the image for helpful information



2. Steel can suffer from corrosion. What is corrosion?



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ALUMINIUM

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ALUMINIUM

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Aluminium is a metal with many practical applications

1. List four properties of aluminium

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WOODS

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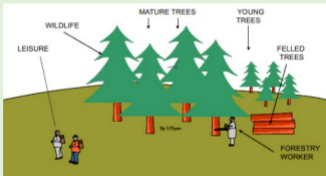
WOODS

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Designers must consider the use of sustainable materials

1. What is a sustainable forest?

Tap the image for helpful information



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TEXTILES

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GLASS

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ABS – ACRYLONITRILE- BUTADIENE-STYRENE

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ABS
**(Acrylonitrile-
Butadiene-Styrene)**

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GLASS BOTTLES

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**Glass
Bottles**

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C/PAP PAPER AND PLASTIC MIX

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C/PAP
Paper and Plastic
Mix

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CSL BIODEGRADABLE PLASTIC

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CSL
BIODEGRADABLE
PLASTIC

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CSL BIODEGRADABLE PLASTIC

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BIOPOL - BIODEGRADABLE PLASTIC

1. Why is Biopol regarded as an environmentally friendly polymer?
2. List products manufactured from Biopol

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COMMON RECYCLING SYMBOLS

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