



FUNCTIONS OF PACKAGING

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'PACKAGING AND ASSOCIATED PROCESSES' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

LINK

http://www.technologystudent.com/mobapps/packaging_mobile1.pdf

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?
USE THE MOBILE App!!**

QUESTION: FOR EACH OF THE 'FUNCTIONS OF PACKAGING', WRITE MORE DETAIL, TO SUPPORT THE STATEMENT.

TO PROTECT A PRODUCT FROM DAMAGE OR CONTAMINATION, BY MICRO-ORGANISMS AND AIR, MOISTURE AND TOXINS.

Detail:

TO KEEP THE PRODUCT TOGETHER, TO CONTAIN IT (I.E. SO THAT IT DOES NOT SPILL).

Detail:

TO IDENTIFY THE PRODUCT.

Detail:

TRANSPORT, STACKING AND STORAGE.

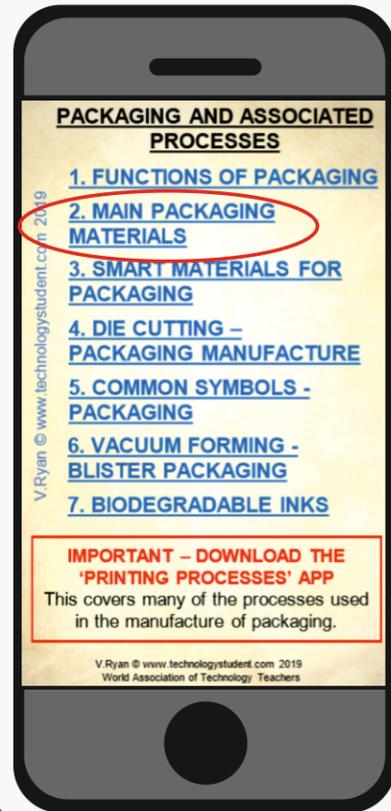
Detail:

PRINTED INFORMATION.

Detail:

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PLEASE NOTE - YOU SHOULD ALREADY HAVE COMPLETED THE SMART LEARNING SHEETS, FOR THE APP 'MATERIALS, PAPER AND BOARDS'. THIS IS SUMMARY SHEET OF MATERIALS



MAIN PACKAGING MATERIALS

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1

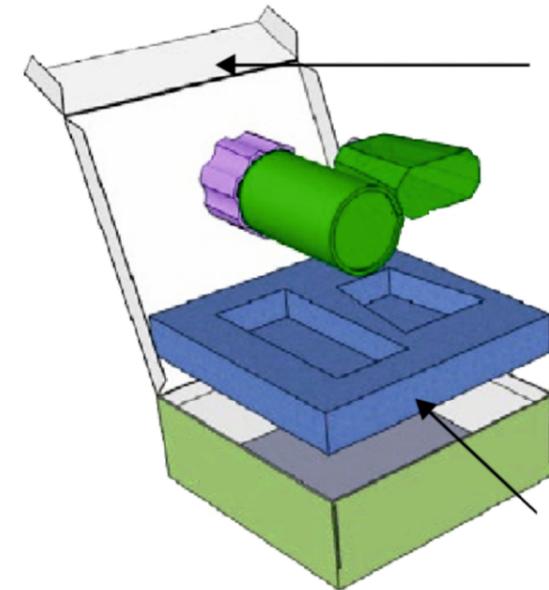
NAME A MATERIAL IDEAL FOR THIS TYPE OF PACKAGING. Include its typical thickness, in terms of microns and gsm.



AN INSERT MAY BE REQUIRED TO HOLD THE CONTENTS IN POSITION. NAME A SUITABLE MATERIAL.

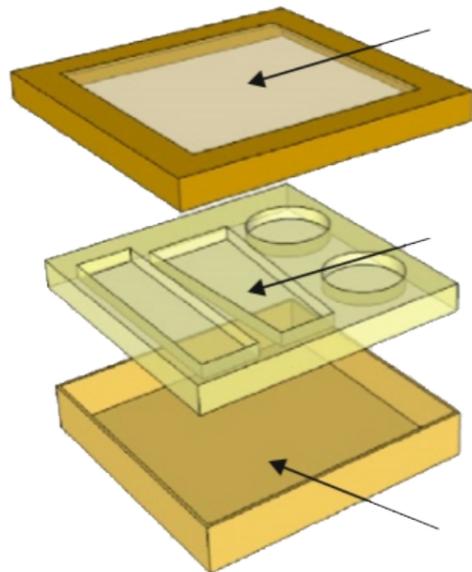
2

NAME THE MATERIALS USED FOR THIS PACKAGING, IDENTIFIED BY THE ARROWS.



3

NAME THE MATERIALS USED FOR THIS PACKAGING, IDENTIFIED BY THE ARROWS.



4

NAME THE MATERIAL SUITABLE FOR THIS TYPE OF PACKAGING. WHY IS IT SUITABLE?



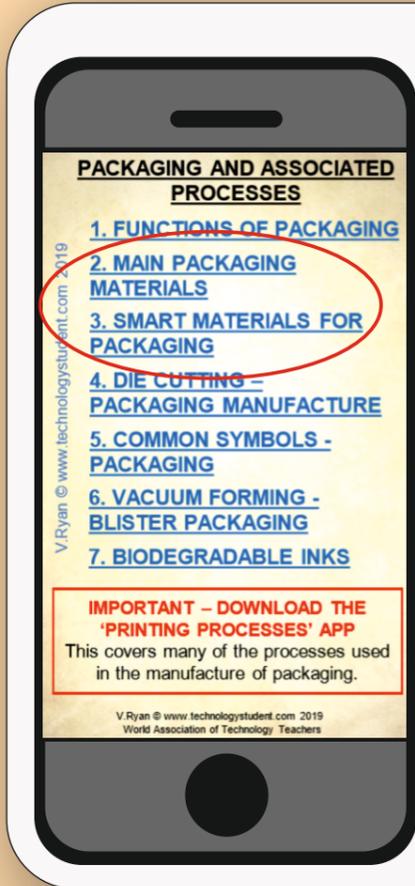
5

LIST TWO PRODUCTS THAT ARE PACKAGED BY POLYETHYLENE TEREPHTHALATE, PET, PETE, (POLYESTER).

WHY IS IT A SUITABLE MATERIAL, FOR THE PRODUCTS YOU HAVE NAMED?

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MAIN PACKAGING MATERIALS AND SMART MATERIALS.

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1



BIOPLASTICS SYMBOL

WHAT IS PLA? WHY IS IT ENVIRONMENTALLY FRIENDLY?



DRAW A DIAGRAM THAT REPRESENTS THE LIFE CYCLE OF PLA.

2

WHAT ARE THERMOCHROMIC INKS?
Include a practical application.

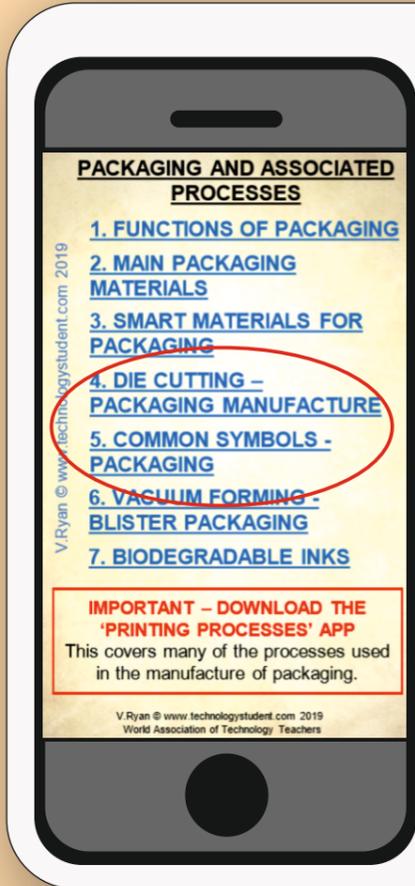
3

WHAT ARE AROMA PIGMENTS?
Include a practical application.

4

BELOW, PASTE AN IMAGE SHOWING A PRACTICAL APPLICATION, OF EITHER, THERMOCHROMIC INKS OR AROMA PIGMENTS.

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DIE CUTTING AND COMMON PACKAGING SYMBOLS

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WHAT IS THE MEANING OF THIS SYMBOL?



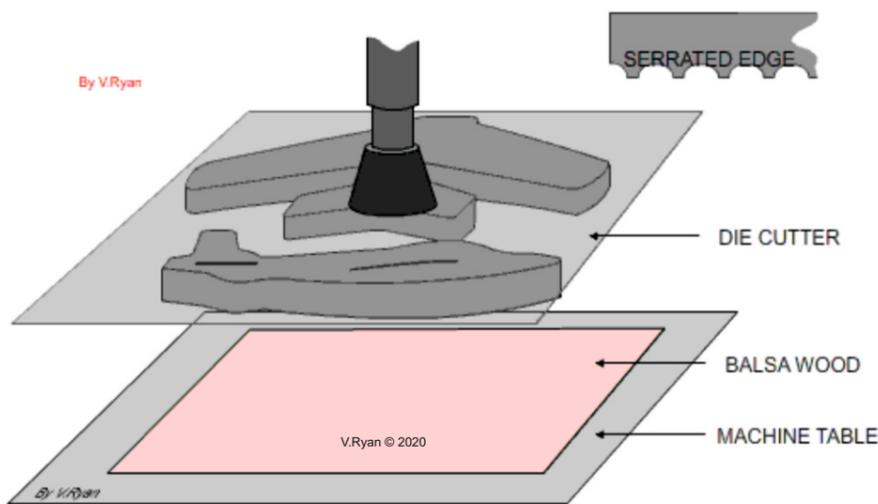
2

WHAT IS THE MEANING OF THIS SYMBOL?



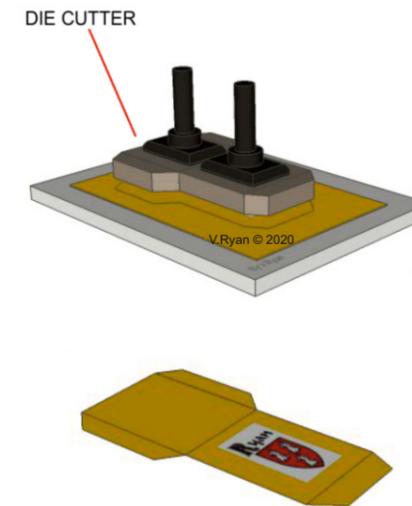
3

DIE CUTTING IS SHOWN BELOW. DESCRIBE THE PROCESS.

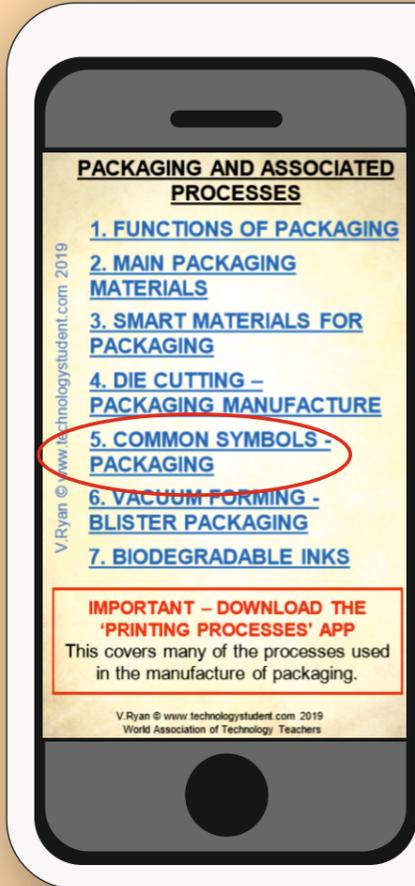


4

WRITE A LIST OF TYPICAL DIE CUT PRODUCTS.



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COMMON PACKAGING SYMBOLS

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WHAT IS THE MEANING OF THIS SYMBOL?



2

WHAT IS THE MEANING OF THIS SYMBOL?



3

WHAT IS THE MEANING OF THIS SYMBOL?



4

WHAT IS THE MEANING OF THIS SYMBOL?

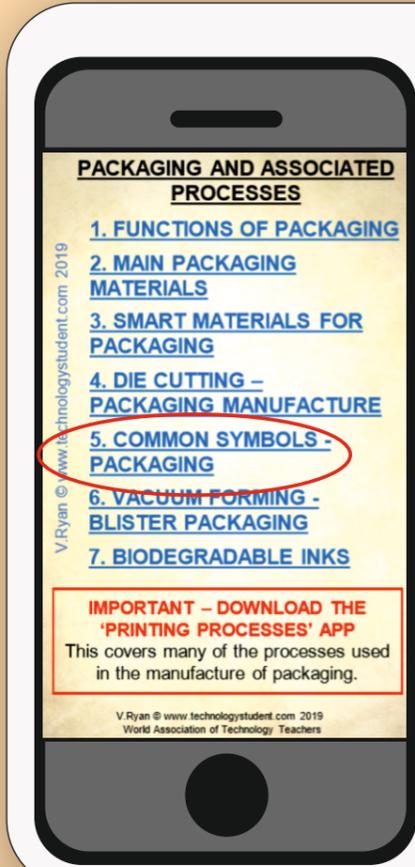


5

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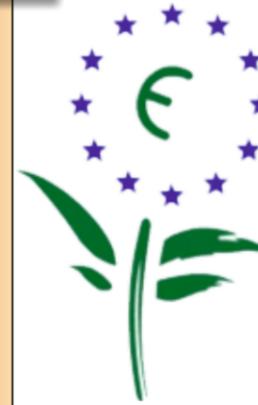
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WHAT IS THE MEANING OF THIS SYMBOL?



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WHAT IS THE MEANING OF THIS SYMBOL?



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WHAT IS THE MEANING OF THIS SYMBOL?

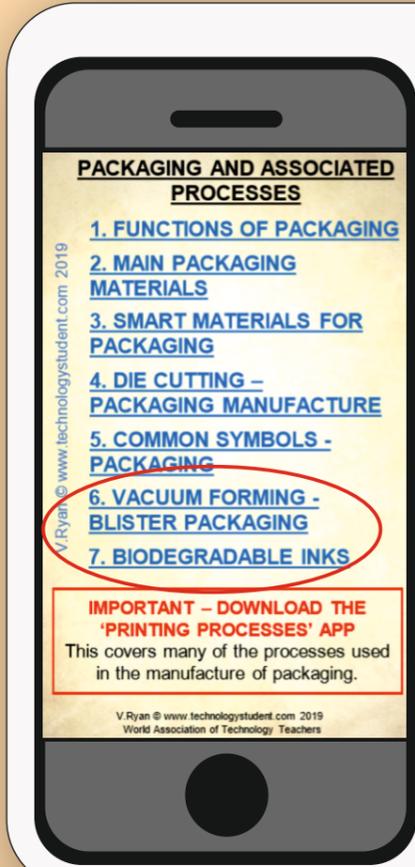


5

WHAT IS THE MEANING OF THIS SYMBOL?



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VACUUM FORMING BLISTER PACKAGING

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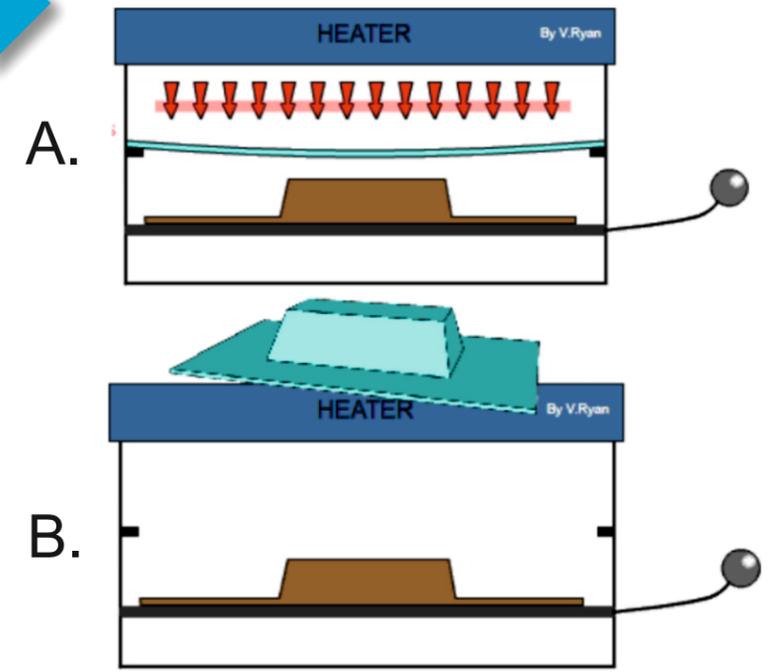
1

DESCRIBE THE PROCESS CALLED VACUUM FORMING.

You can make reference to the images opposite



THE VACUUM FORMING PROCESS.



2

WHAT ARE BIODEGRADABLE INKS?

3

LIST FOUR ADVANTAGES OF BIODEGRADABLE INKS

4

WHY DO YOU THINK BIODEGRADABLE INKS ARE IMPORTANT, TO THE PACKAGING INDUSTRY?

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