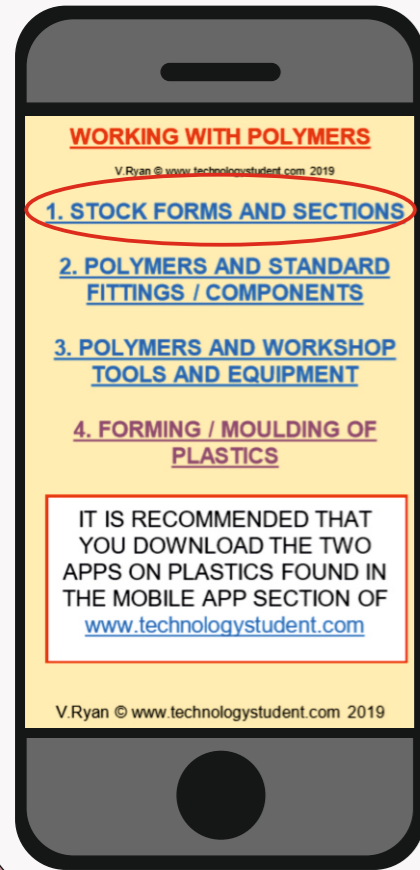


SECOND SET OF SHEETS



POLYMER STOCK FORMS

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'WORKING WITH POLYMERS' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

LINK

http://www.technologystudent.com/mobapps/processing_polymers1.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.

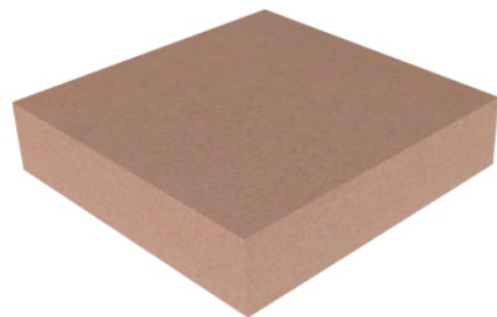
**ARE YOU READY?
USE THE MOBILE App!!**

1 NAME THREE PROCESSES WHEN GRANULES ARE USED AS A STOCK FORM

NAME ONE PROCESS WHEN POLYMER SHEETS ARE USED AS A STOCK FORM.

2 POLYMERS ARE ALSO SUPPLIED AS SECTIONS (SOLIDS AND HOLLOWS) SKETCH SIX SECTIONS BELOW.

3 POLYMERS SUCH AS, 'LOW DENSITY POLYURETHANE MODEL BOARD', ARE SUPPLIED AS A FOAM. WHAT ARE THE MATERIAL PROPERTIES OF THIS MATERIAL?



4 GRANULES ARE ORDERED BY:

SHEETS ARE ORDERED BY:

SOLID ROUNDS ARE ORDERED BY:

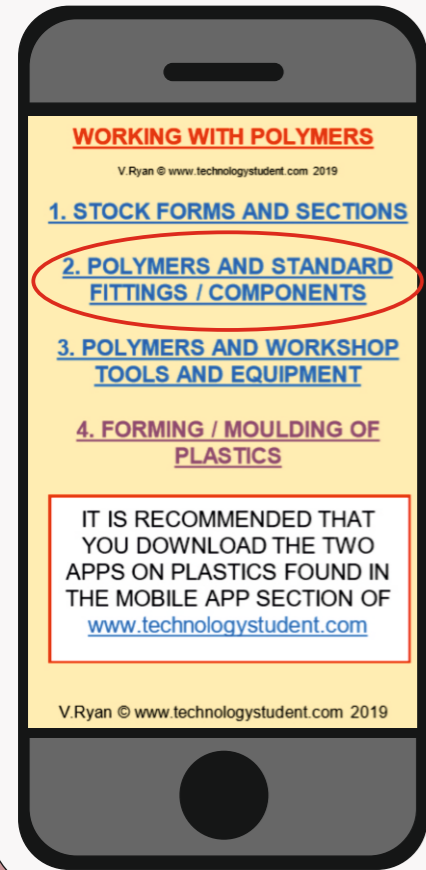


HOLLOW ROUND SECTIONS ARE ORDERED BY:

SOLID SQUARE SECTIONS ARE ORDERED BY:

HELPFUL LINK: http://www.technologystudent.com/mobapps/processing_polymers1.pdf

FIRST SET OF SHEETS



MACHINE SCREWS AND BOLTS

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'WORKING WITH POLYMERS' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

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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!!**

1 WHY ARE NUTS AND BOLTS USEFUL AS A METHOD OF JOINING?

2 DESCRIBE ONE ADVANTAGE OF USING COUNTERSUNK MACHINE SCREWS.

WHAT IS THE ADVANTAGE OF USING A WING NUT?

3 NAME THE MACHINE SCREWS / BOLTS SHOWN BELOW. Write your answer in the box opposite.

A

B

C

D

E

A: _____

B: _____

C: _____

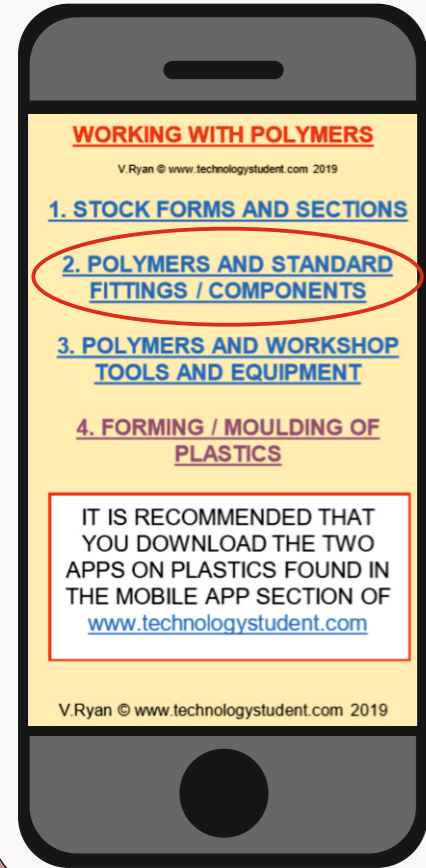
D: _____

E: _____

4 SKETCH A TYPICAL COACH BOLT IN THE SPACE BELOW.

HELPFUL LINK: http://www.technologystudent.com/mobapps/processing_polymers1.pdf

FIRST SET OF SHEETS



POP RIVETS

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'WORKING WITH POLYMERS' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

LINK

http://www.technologystudent.com/mobapps/processing_polymers1.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!!**

1 WHAT IS POP RIVETING AND WHEN IS IT A SUITABLE PROCESS?

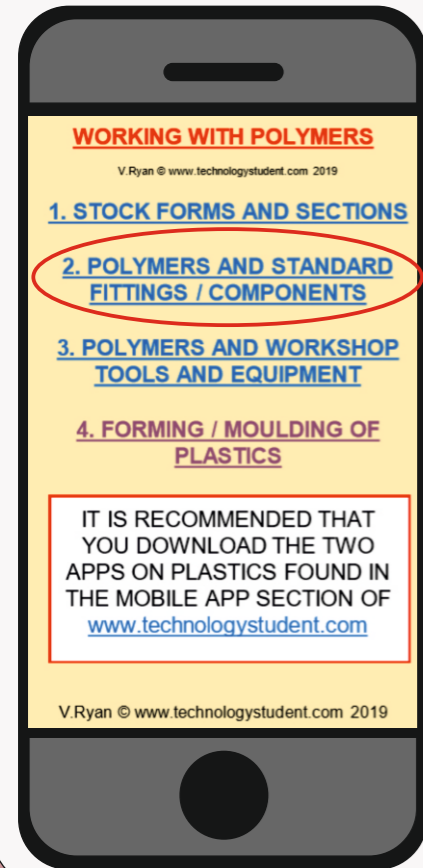
2 PASTE BELOW, ONE IMAGE OF A PRODUCT THAT HAS BEEN POP RIVETED.

3 DESCRIBE THE PROCESS OF POP RIVETING. Write your description in the box opposite.

4 SKETCH A TYPICAL POP RIVET AND A RIVET GUN.

HELPFUL LINK: http://www.technologystudent.com/mobapps/processing_polymers1.pdf

FIRST SET OF SHEETS



SELF TAPPING SCREWS, TENSOL, CONTACT ADHESIVE AND EPOXY RESIN.

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'WORKING WITH POLYMERS' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

LINK

http://www.technologystudent.com/mobapps/processing_metals1.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!!**


1 WHEN ARE SELF TAPPING SCREWS USEFUL?

2 SKETCH THE SELF TAPPING SCREW, SHOWN BELOW.

SELF TAPPING SCREW : YOUR SKETCH



3 WHAT IS TENSOL AND HOW IS IT USED?



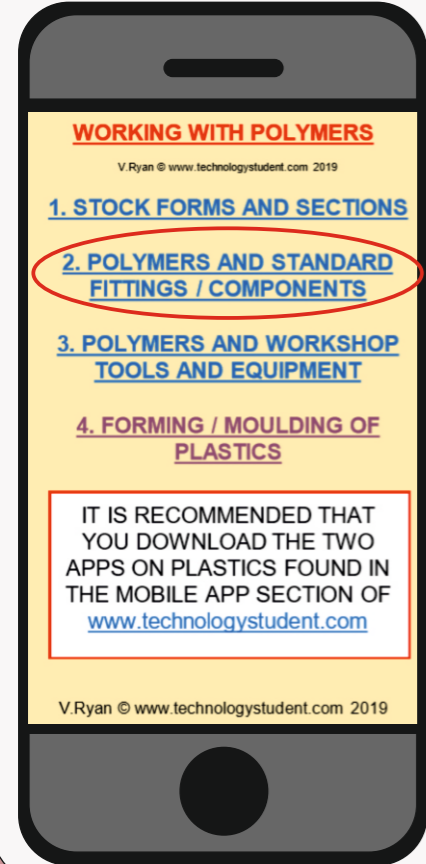
4 DESCRIBE HOW CONTACT ADHESIVE IS APPLIED, WHEN JOINING TWO POLYMER PARTS.

5 HOW IS EPOXY RESIN USED TO JOIN TWO PLASTIC COMPONENTS?



HELPFUL LINK: http://www.technologystudent.com/mobapps/processing_metals1.pdf

FIRST SET OF SHEETS



PUSH FITTINGS, SPLIT PINS, LOCK NUTS, SELF TAPPING SCREWS

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'WORKING WITH POLYMERS' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

LINK

http://www.technologystudent.com/mobapps/processing_metals1.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!!**

1 **WHAT IS CYANOACRYLATE?
HOW WAS IT USED DURING THE WAR
IN VIETNAM?**

2 **LIST ADVANTAGES OF CYANOACRYLATE.**

3 **COMPLETE THE DIAGRAM OF THE GLUE GUN BY ADDING THE MISSING LABELS.**

SECTIONAL DRAWING OF A HOT GLUE GUN

DESCRIBE HOW A GLUE GUN WORKS.

4 **WHAT IS LIQUID SOLVENT AND HOW IS IT APPLIED WHEN JOINING POLYMERS?**

HELPFUL LINK: http://www.technologystudent.com/mobapps/processing_metals1.pdf