QUESTIONS AND ANSWERS JOINING METALS - 1

This mobile revision pdf is based on detailed work found in the 'MATERIALS' and 'EQUIPMENT' sections.

Tap on the green and yellow link buttons below to go to the website.



Tap the blue button to view all work covered by this Revision PDF

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QUESTIONS AND ANSWERS JOINING METALS - 1

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HOW TO USE THIS REVISION PDF Read and attempt answering each question, before following the link to a potential answer. Also, consider working in pairs.

QUESTIONS ONE TO FIVE (Bolts)

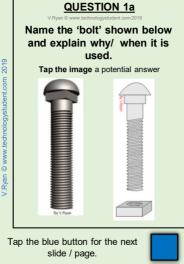
QUESTIONS SIX TO TEN (Riveting)

QUESTIONS ELEVEN TO FIFTEEN

(Temporary joints for tube)

TAP / CLICK THE LINK BUTTON FOR ALL MOBILE APPS







A Machine Bolt is seen below. Produce a labelled sketch, that shows how it is used to join two metal blocks.

QUESTION 1b







QUESTION 1c

Sketch a machine bolt that has a countersunk head, with a wingnut.

Tap the image a potential answer



Tap the blue button for the next slide / page.



QUESTION 2a

Describe one advantage of

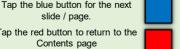
using a 'wingnut', over a nut that requires a spanner.

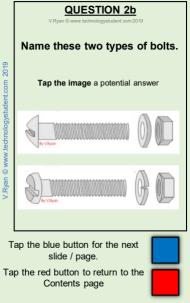
Tap the image a potential answer



slide / page. Tap the red button to return to the

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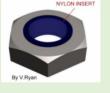




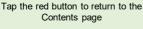
QUESTION 2c

Why are Lock Nuts sometimes used, with a bolt?

Tap the image a potential answer



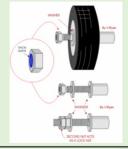
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Explain why a lock nut is used for the practical application shown below.

Tap the image a potential answer



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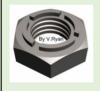


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QUESTION 4 © www.technologystudent.com 2019

Explain why combination lock nuts and split pins are sometimes used.

Tap the image for a potential answer





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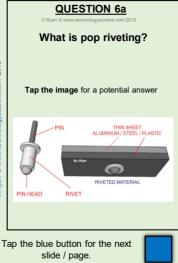


Produce a sketch showing how a combination lock nut and split pin look, when used together.

Tap the image for a potential answer









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QUESTION 6b

QUESTION 7 an © www.technologystudent.com 2019

Cold rivets are used to joint steel plates.

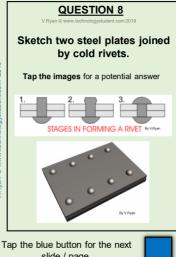
Name the four types of cold rivet shown below.

shown below.



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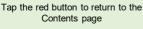
QUESTION 9 yan © www.technologystudent.com 2019

Sketch the process of cold riveting, stage by stage. Add notes to each sketch.

Tap the link buttons for a potential answer



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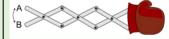


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Describe how movable joints can be achieved, through the use of cold rivets?

Tap the image for a potential answer







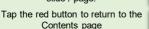
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Sketch a 'Parallel Joint', for use with two lengths of tube. Explain how it works. Show the tube in position.

Tap the image for a potential answer



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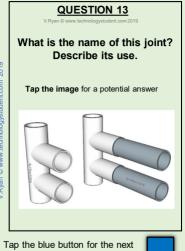
Sketch a Four Way Joint, commonly used with tube. Explain how it works. Show the tube in position.

Tap the image for a potential answer



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QUESTION 14 yan © www.technologystudent.com 2019

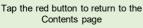
Part of a 'split tube joint' is shown below.

Sketch the entire joint and explain how it works.

Tap the image for a potential answer



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This is an 'adjustable joint'.

What is an advantage of using this type of joint?

this type of joint?

Tap the image for a potential answer



