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 SMART MATERIALS PART ONE

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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

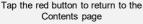
QUESTIONS SIX TO TEN

QUESTIONS ELEVEN TO FIFTEEN

TAP / CLICK THE LINK BUTTON FOR ALL MOBILE APPS



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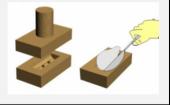
3 www.technologystudent.com 20

QUESTION 1b

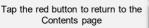
logystudent.com 2019

Describe how a mould can be used to shape and form polymorph.

Tap the image a potential answer



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QUESTION 2a

gystudent.com 2019

What is an alternative name for Shape Memory Alloy? It is composed of two metals, what are they?

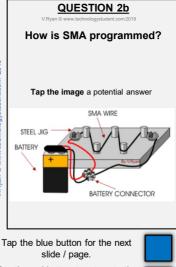
Tap the image a potential answer



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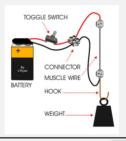




QUESTION 2c

How does muscle wire work? Include a practical application.

Tap the image for a potential answer



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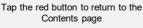


What are hydrochromic Inks? Include a practical example.

Tap the image for a potential answer



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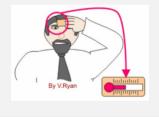


QUESTION 4a

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What are thermochromic inks? Include a practical example.

Tap the image for a potential answer



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QUESTION 4b

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Describe a second practical application of thermochromic inks.

Tap the image for a potential answer



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QUESTION 5a

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Photochromic inks have a special property. What is it?

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QUESTION 5b

com 2019

Describe a practical application of photochromic inks.

Tap the image for a potential answer





QUESTION 6b

Tap the blue button for the next slide / page.







QUESTION 8a

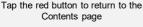
hnologystudent.com 2019

How could Aroma Pigments be applied to a greetings card, such as a Christmas card?

Tap the image for a potential answer



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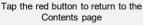


Describe two more practical applications of aroma pigments.

Tap the image for a potential answer



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QUESTION 9 V.Ryan © www.technologystudent.com 2019

This watch has a Phosphorescent Pigment applied to it. Why?

Tap the image for a potential answer



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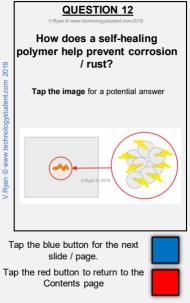
Why are Phosphorescent pigments useful for signs, such as road signs?

Tap the image for a potential answer











Tap the blue button for the next slide / page.

Tap the red button to return to the Contents page

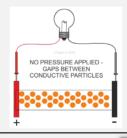


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v.rvjan w www.comologyotaden.com2010

Quantum Tunnelling Composite has a special property. What is it?

Tap the image for a potential answer



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logystudent.com 2019

What are the properties of Piezoelectric Materials? Include a practical application.

Tap the image for a potential answer

