

MULTIPLE CHOICE
QUESTIONS AND
ANSWERS
(Part Three)

SELECT THE
CORRECT ANSWER
FROM EACH OF
THE QUESTIONS

Tap to start



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1. Which one of the following energy production systems is a **fossil fuel** ?

A. Wind Power



B. Hydraulic Fracturing



C. Nuclear Power



D. Hydroelectricity

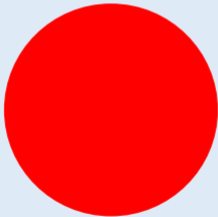


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ENERGY**



**WRONG
ANSWER**

TAP THE BUTTON TO TRY
AGAIN



CORRECT ANSWER

TAP THE BUTTON FOR THE
NEXT QUESTION



2. The character opposite is standing still. **What is this type of load?**



A. Dynamic



B. Resting



C. Static



D. Shear

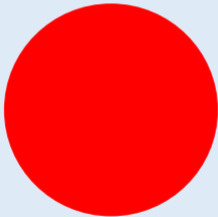


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**WRONG
ANSWER**

TAP THE BUTTON TO TRY
AGAIN



CORRECT ANSWER

TAP THE BUTTON FOR THE
NEXT QUESTION



3. A **thermosetting** plastic is:

A. Once 'set' these plastics cannot be reheated to soften, shape and mould.



B. These plastics can be reheated up to four times, but no more.



C. These plastics can be re-heated and therefore shaped in various ways.



D. This is a composite plastic, made up of several layers.



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MATERIALS**



**WRONG
ANSWER**

TAP THE BUTTON TO TRY
AGAIN



CORRECT ANSWER

TAP THE BUTTON FOR THE
NEXT QUESTION



4. From the list of materials, identify the material that includes chromium in its composition..

A. Copper



B. Nylon



C. Stainless steel



D. Lead



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METALS



**WRONG
ANSWER**

TAP THE BUTTON TO TRY
AGAIN



CORRECT ANSWER

TAP THE BUTTON FOR THE
NEXT QUESTION



5. Which of the following names means, 'materials on a **very small scale**', on a scale of three atoms?

A. Small scale.



B. Micro-material



C. mini-substance



D. Nano

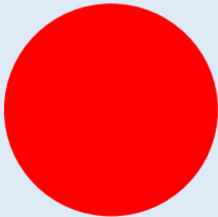


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SMALL SCALE
MATERIALS**



**WRONG
ANSWER**

TAP THE BUTTON TO TRY
AGAIN



CORRECT ANSWER

TAP THE BUTTON FOR THE
NEXT QUESTION



6. Which of the following statements describing '**torsion**' is true?

A. Torsion is a 'twisting' force.



B. Torsion occurs when a material is stretched in a straight line.



C. Torsion is the 'impact' when two materials are knocked together.



D. Torsion is the term used to describe a rise in temperature of a material.



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FORCES**



**WRONG
ANSWER**

TAP THE BUTTON TO TRY
AGAIN



CORRECT ANSWER

TAP THE BUTTON FOR THE
NEXT QUESTION



7. Which of the statements below is the definition of the physical property '**Ductility**'?

A. A ability of a material to resist impact when dropped .



B. The ability of a material to resist a stretching force.



C. The ability of a material to return to its original shape.



D. The ability of a material to change shape (deform) usually by stretching along its length.



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PROPERTIES OF
MATERIALS



**WRONG
ANSWER**

TAP THE BUTTON TO TRY
AGAIN



CORRECT ANSWER

TAP THE BUTTON FOR THE
NEXT QUESTION



8. Which of the following statements is representative of **crowd funding**?

A. A group of designers fund the manufacture of a new product



B. The person / company seeking funding, sets up a 'page' on a website and asks for financial support.



C. A number of companies directly sponsor a designer, in exchange for advertising.



D. The Government funds a designer through taxes.



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Type of Enterprise



**WRONG
ANSWER**

TAP THE BUTTON TO TRY
AGAIN



CORRECT ANSWER

TAP THE BUTTON FOR THE
NEXT QUESTION



9. Which of the following is the process called '**etching**'?

A. A process whereby paint is sprayed onto the surface of a material.



B. A process that changes the colour of the surface of a metal.



C. A process that creates a long-lasting protective coating on a metal.



D. Acid is used to slowly remove the unprotected surface of a metal, for a decorative finish.

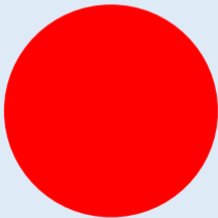


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**WRONG
ANSWER**

TAP THE BUTTON TO TRY
AGAIN



CORRECT ANSWER

TAP THE BUTTON FOR THE
NEXT QUESTION



10. What is the area of the square shown opposite?



A. 1000mm^2



B. 10000mm^2



C. 1100mm^2



D. 10100mm^2

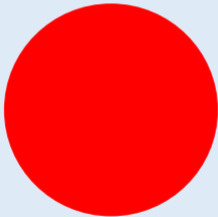


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**WRONG
ANSWER**

TAP THE BUTTON TO TRY
AGAIN



CORRECT ANSWER

**YOU HAVE FINISHED
THE QUESTIONS**

