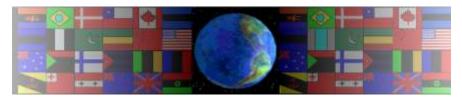
PLASTICS - EXAMINATION QUESTIONS

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On behalf of The World Association of Technology Teachers

W.A.T.T.



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The 'Perspective Exercise' can be printed and used by teachers and students. It is recommended that you view the website www.technologystudent.com before attempting the design sheet.

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THERMOSET POLYMERS

 $\underline{\textbf{HELPFUL LINK}} \text{ - http://www.technologystudent.com/designpro/plastic1.htm}$

1. Explain the term 'thermoset polymer', with reference to molecular structure.		
2. Thermoset polymers are very useful in the manufacture of electrical fittings. Name a thermoset polymer used for this purpose.		
3. Describe the properties of the polymer you have named above that make it suitable for electrical fittings.		
THERMOPLASTICS 4. Explain the term 'thermoplastic', with reference to molecular structure.		
5. Thermoplastics are very useful in the manufacture of mobile phone casings. Name a thermoplastic used for this purpose.		
6. Describe the properties of the polymer you have named above that make it suitable for mobile phone casings.		
FURTHER QUESTIONS:		
7. List two more thermosetting plastics and describe practical applications of each one.		
NAME 1:		
PRACTICAL APPLICATION:		
NAME 2:		
PRACTICAL APPLICATION:		

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8. List two more thermoplastics and describe practical applications of each one.

HELPFUL LINK - http://www.technologystudent.com/designpro/plastic1.htm

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NAME 1:	
PRACTICAL APPLICATION:	
NAME 2:	
PRACTICAL APPLICATION:	
9. Explain the term MONOMER, with	the aid of a diagram(s) and notes.
40. 5. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	
10. Explain the term LONG CHAIN Methermoplastic, composed of long chair	ONOMER, with the aid of a diagram(s) and notes. Include the name of an monomers.