

PLASTICS - EXAMINATION QUESTIONS

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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THERMOSET POLYMERS

HELPFUL LINK - <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.

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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.

10. Explain the term LONG CHAIN MONOMER, with the aid of a diagram(s) and notes. Include the name of a thermoplastic, composed of long chain monomers.