

# PLASTICS - EXAMINATION QUESTIONS

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On behalf of The World Association of Technology Teachers

## W.A.T.T.



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## **THERMOSET POLYMERS**

1. Explain the term 'thermoset polymer', with reference to molecular structure.

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2. Thermoset polymers are very useful in the manufacture of electrical fittings. Name a thermoset polymer used for this purpose.

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3. Describe the properties of the polymer you have named above that make it suitable for electrical fittings.

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## **THERMOPLASTICS**

4. Explain the term 'thermoplastic', with reference to molecular structure.

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5. Thermoplastics are very useful in the manufacture of mobile phone casings. Name a thermoplastic used for this purpose.

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6. Describe the properties of the polymer you have named above that make it suitable for mobile phone casings.

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## **FURTHER QUESTIONS:**

7. List two more thermosetting plastics and describe practical applications of each one.

NAME 1: \_\_\_\_\_

PRACTICAL APPLICATION: \_\_\_\_\_

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NAME 2: \_\_\_\_\_

PRACTICAL APPLICATION: \_\_\_\_\_

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

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.