



CHEMISTRY

SYNTHETIC FIBERS AND PLASTIC

Questions

1. Explain why some fibres are called synthetic.



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2. Mark () the correct answer.

Rayon is different from synthetic fibres because

A. it has a silk-like appearance

B. it is obtained from wood pulp.

C. its fibres can also be woven like those of natural fibres.

D.

Answer:



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3. Fill in the blanks with appropriate words.

Synthetic fibres are also called _____ or _____ fibres.



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4. Fill in the blanks with appropriate words.

Synthetic fibres are synthesised from raw materials called _____.



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5. Fill in the blanks with appropriate words.

Like synthetic fibres, plastic is also a _____.



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6. Give examples which indicate that nylon fibres are very strong.



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7. Explain why plastic containers are favoured for storing food.



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8. Explain the difference between thermoplastic and thermosetting plastics.



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9. Explain why the following are made of thermosetting plastics

Saucepan handles



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10. Explain why the following are made of thermosetting plastics

Electric plugs/switches/plug boards



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11. Categorize the materials of the following products into 'can be recycled' and 'cannot be recycled' Telephone instruments, plastic toys, cooker handles, carry bags, ball point pens, plastic bowls, plastic covering on electrical wires, plastic chairs, electrical switches



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12. Rana wants to buy shirts for summer. Should he buy cotton shirts or shirts made

from synthetic material? Advise Rana, giving your reason.



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13. Give examples to show that plastics are non-corrosive in nature



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14. Should the handle and bristles of a tooth brush be made of the same material? Explain

your answer



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15. Avoid plastics as far as possible'. Comment on this advice.



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16. Match the terms of column A correctly with the phrases given in column B.

| A | | B | |
|-------|-----------|-----|--|
| (i) | Polyester | (a) | Prepared by using wood pulp |
| (ii) | Teflon | (b) | Used for making parachutes and stockings |
| (iii) | Rayon | (c) | Used to make non-stick cookware |
| (iv) | Nylon | (d) | Fabrics do not wrinkle easily |



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17. Manufacturing synthetic fibres is actually helping conservation of forests'. Comment.



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18. Describe an activity to show that thermoplastic is a poor conductor of

electricity.



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