

India's Number 1 Education App

CHEMISTRY

BOOKS - BETTER CHOICE PUBLICATION

POLYMERS



1. Explain the terms polymers and monomers ?

2. What are natural and synthetic polymers ?

Give two examples of each type.

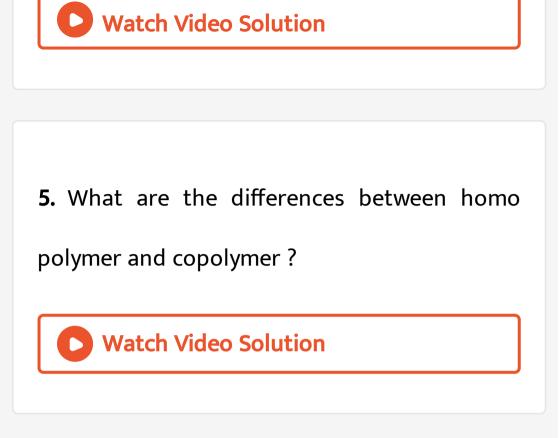


3. Write two differences between natural and

synthetic polymers.



4. Write the name of one' natural polymer.



6. Define the following terms: polymerization



7. In which classes, the polymers are classified

on the basis of intermolecular forces ?

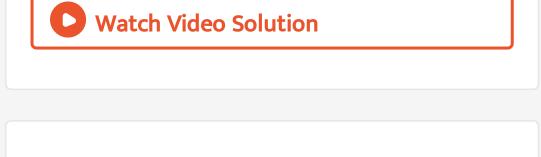
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8. Write two differences between addition and

condensation polymerisation.



9. What are plasticizers ? Give one example.



10. What is the difference between chain growth and step growth polymerisation ?

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11. Define thermoplastic polymers.



12. Define and explain

Thermosetting polymer

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13. Define and explain

Elatomers

14. Write down differences between thermosetting polymers and thermoplastic polymers.



15. State and explain the terms :

Addition polymerisation



16. State and explain the terms :

Condensation polymerisation.



17. State and explain the terms :

Addition polymerisation



18. Write the name and structure of monomers

of

- (i) Polyvinyl chloride
- (ii) Teflon

(iii) Bakelite

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19. Give two differences between natural

rubber and synthetic rubber.

20. Write the name and structure of monomer

of naturalrubber.

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21. Discuss the main purpose of vulcanisation.

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22. Name the monomer of Nylon-6





23. Write the monomers chemical equation for

the prepartion of rubber.

Neoprene

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24. Write the monomers chemical equation for

the prepartion of rubber.

Buna-N

25. Write the monomers and chemical equation

used for preparation of Buna-S rubber.

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26. How will you prepare P.T.F.E. (Teflon).

27. Write the chemical equation for the preparation of polyethene.Watch Video Solution

28. Give the chemical equation for synthesis and uses of glyptal.



29. Give the preparation

Nylon 6

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30. Give the preparation

Melamine



31. How used you prepare poly vinyl chloride (P.V.C.)? Watch Video Solution

32. Write the chemical equation and

monomers for the preparation of Polystyrene.



33. Write the names of monomers and equation for the preparation of PAN. Watch Video Solution 34. Write the names and structures of monomers of novalac. Watch Video Solution

35. Give the preparation and uses of Orlon



36. Give the preparation and used of polystyrene.

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37. Write the monomers and chemical

equation for the preparation of Nylon-66.

38. Why in case of synthetic polymers molecular mass is always expressed as average molecular mass ?

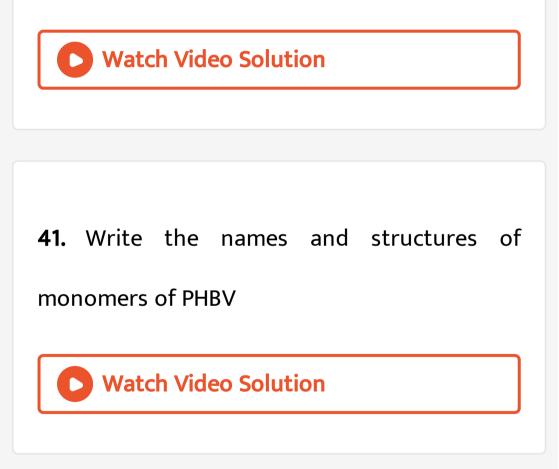
39. How can we find accurably molecular mass

of a polymer?

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40. What is a biodegradable polymer ? Give an

example of a biogeradable aliphatic polyester.



42. Name a biodegradable polymide synthetic

polymer. What are its monomers ? How is it

obtained from these monomers ?