





CHEMISTRY

BOOKS - R G PUBLICATION

POLYMERS



1. Name the monomers of bakelite.

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3. What is the primary feature necessary for a

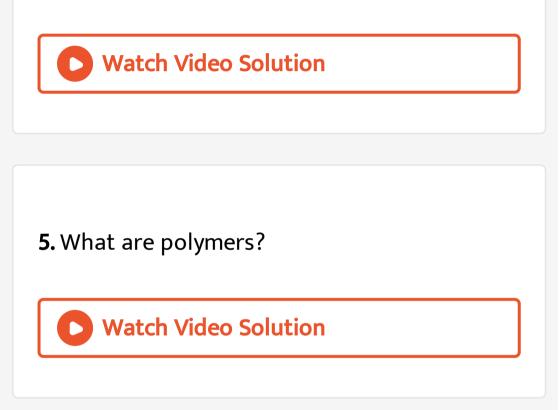
monomer to make it useful in a condensation

polymerization reaction?



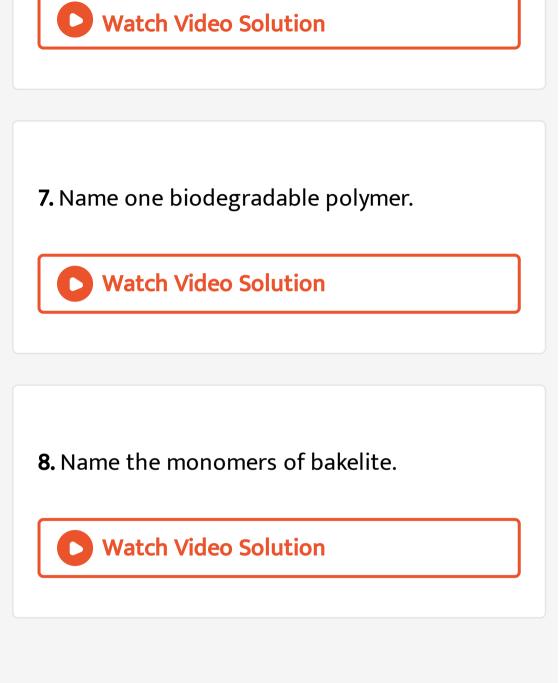
4. What is meant by copolymerization? Give

one example of a copolymer.



6. What is the role of sulphur on vulcanisation

of rubber?



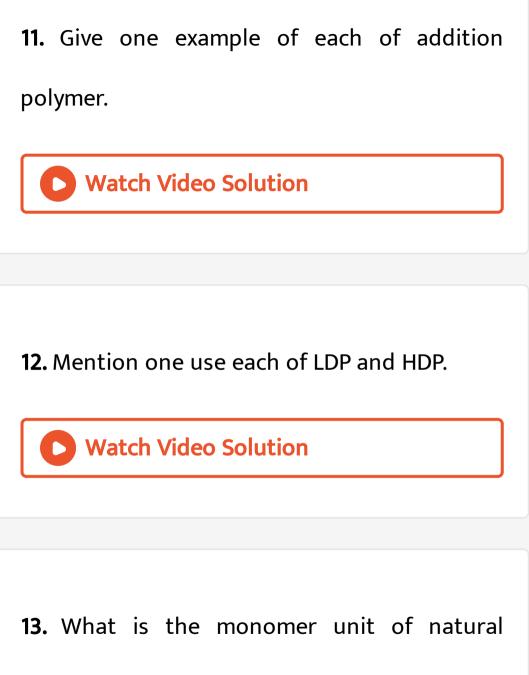
9. What does PVC stand for? Mention its one

use.

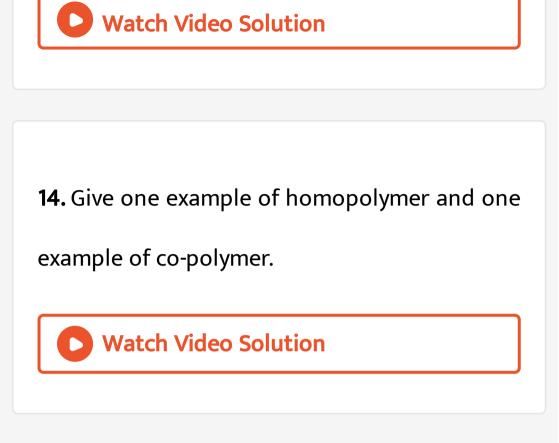


10. Give one example of each of addition polymer.





rubber?



15. Mention the structural difference between thermoplastic polymer and thermosetting polymer.



16. Give one use of high density polythene.



17. Give one example of each of addition polymer.

18. Give one example of each of condensation

polymer.

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19. Classify the following as addition polymer

or condensation polymer: Teflon

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or condensation polymer: Teflon

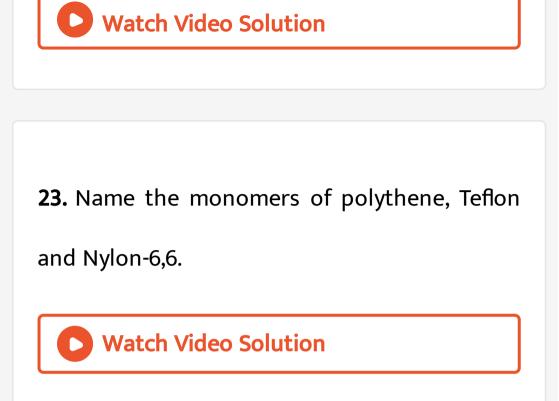
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21. Write the names and structural formulae of

monomers of decron.

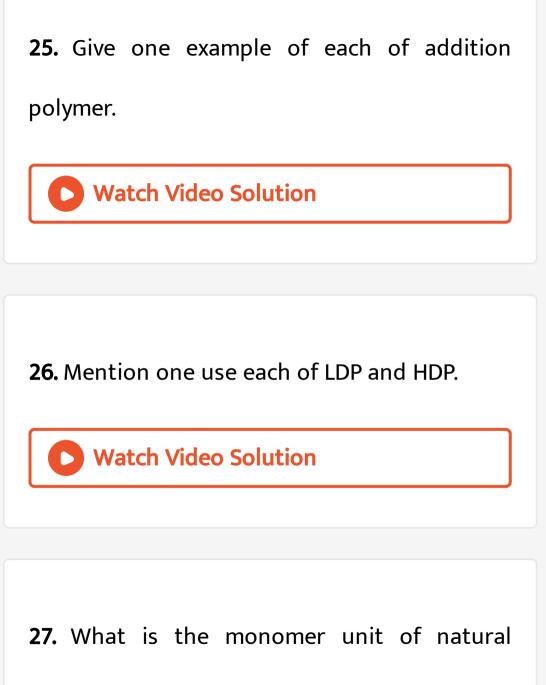


22. Define themoplastic polymers.

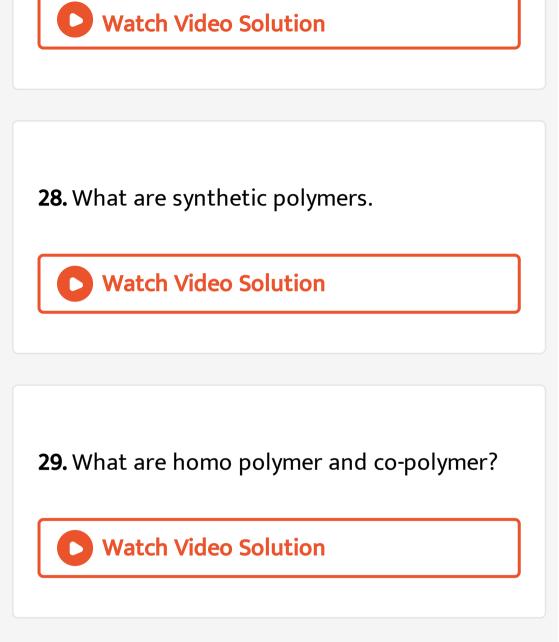


24. What is vulcanisation of rubber?

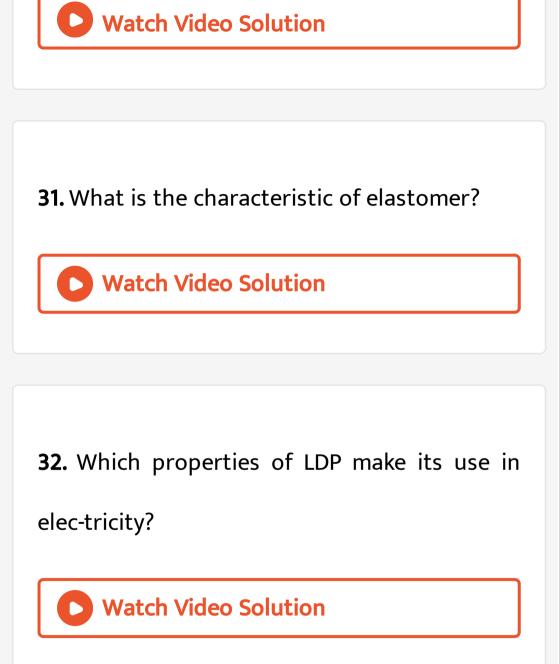




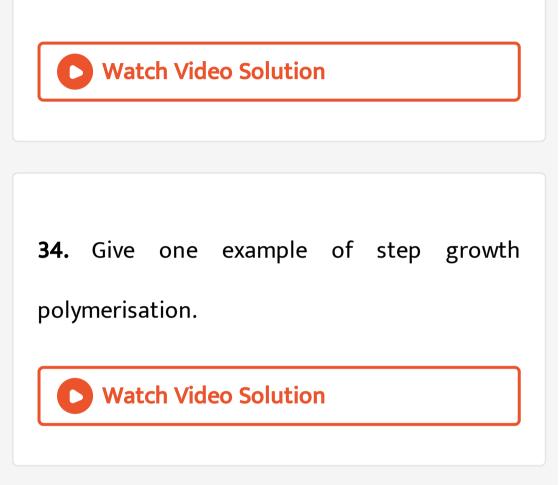
rubber?



30. Is Nylon 6,6 a homopolymer or copolymer?

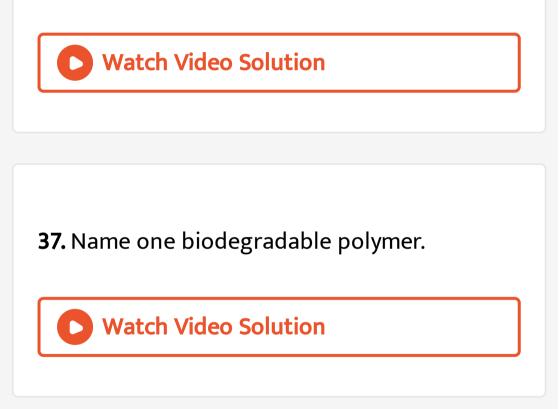


33. What is Ziegler-Natta Catalyst?



35. Write the structure of cis-1, 4-polyisoprene.

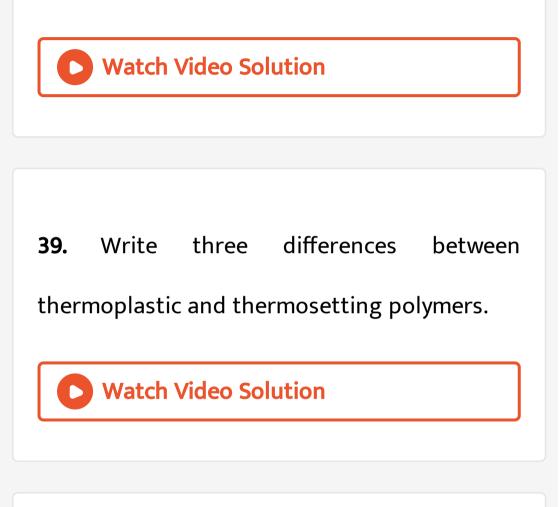
36. What are the monomers of Buna-N-rubber?



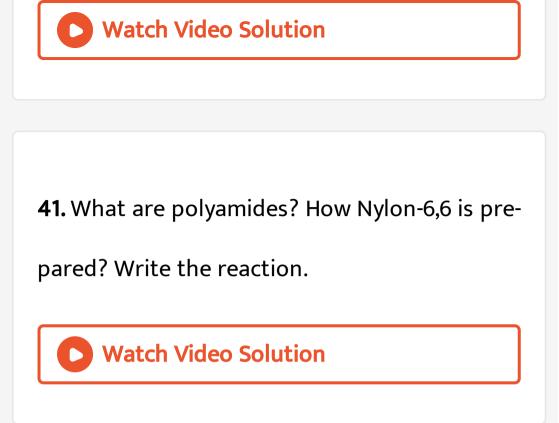
38. Based on molecular forces how polymers are classified? Write the type of bonds of

forces present in between various monomer

units in each class with example.



40. Write the different steps of free radical mechanism of polymerization reaction.



42. How does the presence of double bonds in

rubber molecules influence their structure and

reactivity?



43. What do you mean by vulcanisation of rubber? By this process how the properties of natural rubber are improved?

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44. What is a biodegradable polymer? Give an example of a biodegradable polymer? Give an example of a biodegradable aliphatic polyester.

45. Write the monomer units, structure and two uses of the following polymer: Buna S rubber

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46. Write the monomer units, structure and

two uses of the following polymer: PVC

47. Write the monomer units, structure and

two uses of the following polymer: PAN

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48. Write the monomer units, structure and

two uses of the following polymer: Dacron

49. Write the monomer units, structure and

two uses of the following polymer: Nylon-6

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50. Write the monomer units, structure and

two uses of the following polymer: Novolac

51. Write the monomer units, structure and

two uses of the following polymer: Bakelite

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52. Write the monomer units, structure and

two uses of the following polymer: Glyptal

53. Write the monomer units, structure and two uses of the following polymer: Urea formaldehyde resin



54. Write the monomer units, structure and

two uses of the following polymer: Neoprene

