

10. POLYMERIZATION OF VINYL MONOMERS

10.1. (10 points)

10.1.1. Write a polymerization reaction following properties of vinyl:

Monomer: CH₂=CH-CH₃

Initiator: CH₃COOH

Propagation: CH₂-CH-CH₃

Termination: CH₂-CH-CH₃

Transfer agent: CH₃COOH

Transfer agent: CH₃COOH

10.1.2. Write a polymerization reaction following properties of vinyl:

- a. Acrylonitrile
- b. Styrene
- c. **1,3-butadiene**
- d. Methyl methacrylate

10.1.3. Write a polymerization reaction following properties of vinyl: CH₂=CH-CH₃



10.1.4. Write a polymerization reaction following properties of vinyl:

Initiator: CH₃COOH

Propagation: CH₂-CH-CH₃

Termination: CH₂-CH-CH₃

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IM Harris



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