

### III. Chain Reactions

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Radical addition that takes place by chain reaction naturally divides into three categories. These three are reactions in which (a) a carbohydrate radical adds to an unsaturated noncarbohydrate, (b) a noncarbohydrate radical adds to an unsaturated carbohydrate, and (c) both reaction participants are carbohydrates. Each group can be further divided into mechanistic type, a distinction based upon whether a reaction has a bimolecular or a unimolecular chain-transfer step.

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