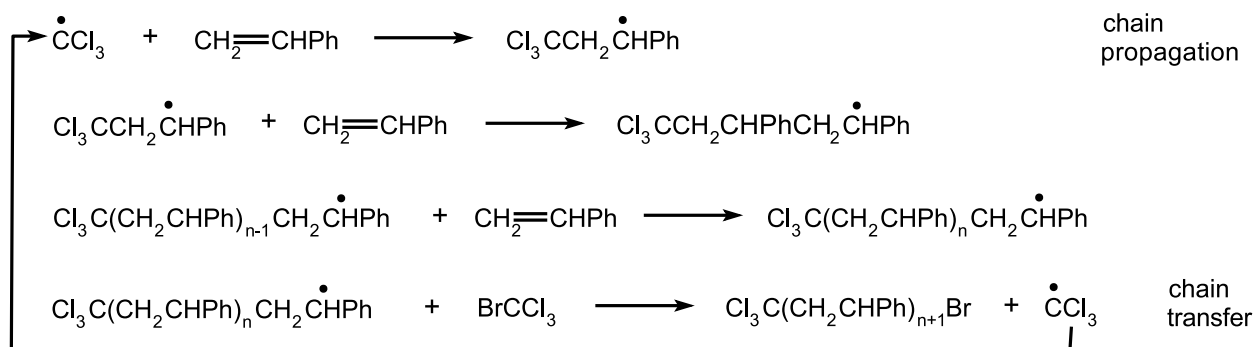


telomerization

The formation of an addition oligomer, having uniform end groups X' ... X'', by a chain reaction in which a chain transfer limits the length of the polymer ('telomer') produced. An example is the polymerization of styrene in bromotrichloromethane solution (X' = CCl₃, X'' = Br), where Cl₃C· radicals are formed in the initiation step to produce Cl₃C[CH₂CHPh]_nBr, with *n* greater than 1 and often less than *ca.* 10:



See also: oligomerization

Source:

PAC, 1994, 66, 1077 (*Glossary of terms used in physical organic chemistry (IUPAC Recommendations 1994)*) on page 1173