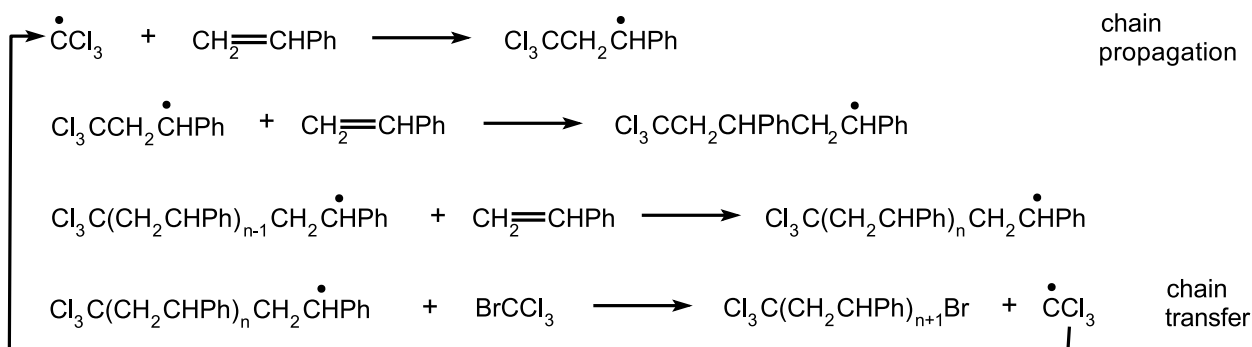


## telomerization

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' = CCl<sub>3</sub>, X'' = Br), where Cl<sub>3</sub>C· radicals are formed in the initiation step to produce Cl<sub>3</sub>C[CH<sub>2</sub>CHPh]<sub>n</sub>Br, 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