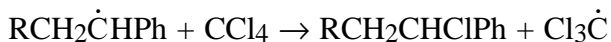
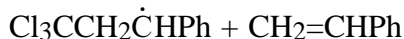
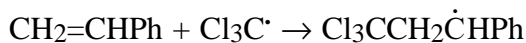


chain transfer

The abstraction, by the *radical* end of a growing chain-polymer, of an atom from another molecule. The growth of the polymer chain is thereby terminated but a new radical, capable of chain propagation and polymerization, is simultaneously created. For the example of alkene polymerization cited for a *chain reaction*, the reaction:



represents a chain transfer, the radical $\text{Cl}_3\dot{\text{C}}$ inducing further polymerization:



The phenomenon occurs also in other chain reactions such as cationic polymerization.

See also *telomerization*.

1994, 66, 1094