

## atom–molecule complex mechanism

A mechanism that sometimes applies to the combination of atoms, but rarely of free radicals. In this mechanism the atom A first combines with a third body or chaperon,



and the complex AM then forms  $A_2 + M$  by collision with another atom A.

Contrast the energy-transfer mechanism.

### **Source:**

PAC, 1996, 68, 149 (*A glossary of terms used in chemical kinetics, including reaction dynamics (IUPAC Recommendations 1996)*) on page 153