

modified Arrhenius equation

This is an extension of the simple Arrhenius equation in which the pre-exponential factor is proportional to T^n where T is the temperature and n a constant:

$$k = B T^n \exp(-E_a/RT)$$

B is a temperature-independent constant.

Source:

PAC, 1996, 68, 149 (*A glossary of terms used in chemical kinetics, including reaction dynamics (IUPAC Recommendations 1996)*) on page 174