

Svante August Arrhenius 1859-1927



Activation energy in chemical reactions, linked to reaction kinetics.

$$k = Ae^{-E_a/(RT)}$$

Activity (proportional to Molar concentration of ions) pH - H⁺

$$\text{pH} = -\log_{10}(a_{\text{H}^+}) = \log_{10}\left(\frac{1}{a_{\text{H}^+}}\right)$$

Greenhouse effect – ice age

