

RATE CONSTANT UNITS

Name Form



Work out the units for the rate constant in each of the following examples.

	Rate equation	Rearrange to give k	Working	Units for k
1)	rate = k [A]	$k = \frac{\text{rate}}{[A]}$	$k = \frac{(\text{mol dm}^{-3}) \text{s}^{-1}}{(\text{mol dm}^{-3})}$	s ⁻¹
2)	rate = k [P] [C]			
3)	rate = k [S] ²			
4)	rate = k [J] ² [M] ²			
5)	rate = k [T]			
6)	rate = k [R] [W] [G] ²			
7)	rate = k [D] ² [B]			
8)	rate = k [A] [B] [C]			
9)	rate = k [M] [P]			
10)	rate = k [H ⁺] [Br ⁻]			