Thermal diffust	raty calculation.
Air:	
$k = 0.024 \text{ Mm}^{4}k^{-1}$ $Cp = 1005.0 \text{ Jkg}^{-1}k^{-1}$ $P = 1.225 \text{ kg m}^{-3}$	p.Cp
Cp= 1005.0 Jkg-1k-1	p.cp
$\rho = 1.225 \text{ kg m}^{-3}$	d 1 CC
	d = thermal diffusivity
d=1.9494 m2/sec, x10-5	K = thermal anduckinity.
d= 1.9494 × 10-3 A/asy	Cp-specific heat
	p = dongfy.
Water: K = 0.6089 Wm-1k-1	
Cp= 4196-0 Jkg-1k-1	as - attaserand
Cp = 4196-0  Jkg-1k-1 $p = 997.0  kgm-3$	as - attasecond A - anythom.
d = 1.4555 x 10-7 m2/sec	: The simulation dx = 1Å
	thus the of value is conve
$d = 1.4665 \times 10^{-5} \text{ Å}^2/\text{as}$	to Avaluey
u - Gold:	[Nanomaterials]
K= 314.0 Hm-1K-1	
Cp= 129.0 Jkg-1k-1	
p = 19300.0 kgm <sup>-3</sup>	
d=1.26x10-4 m2/sec	

a=126×10-2 2/as