1	What is the unit of the Young modulus when expressed in SI base units?									
	Α	$kg m^{-1} s^{-2}$								
	В	$kg m^3 s^{-2}$								
	С	kg m <sup>-2</sup>								
	D	$kg  m^{-1}  s^{-1}$								
2	The Reynolds number $R$ is a constant used in the study of liquids flowing through pipes. $R$ is a pure number with no unit.									
	$R = \frac{\rho vD}{\mu}$									
	where $\rho$ is the density of the liquid, $v$ is the speed of the liquid and $D$ is the diameter of the pipe through which the liquid flows.									
	What are the SI base units of $\mu$ ?									
	Α	kgms	В	kg m <sup>-1</sup> s	С	$kg m s^{-1}$	D	$kg m^{-1} s^{-1}$		
3	When a force $F$ moves its point of application through a displacement $s$ in the direction of the force, the work $W$ done by the force is given by									
	W = F s.									
	How many vector quantities and scalar quantities does this equation contain?									
	A one scalar quantity and two vector quantities									
	B one vector quantity and two scalar quantities									
	C three scalar quantities									
	D	three vector qu	antit	ies						
4	Measurements are subject to systematic error and random error.									
	Which measurements have high accuracy and low precision?									
	A high random error and high systematic error									
	B high random error and low systematic error									

**C** low random error and high systematic error

**D** low random error and low systematic error