1	1 Which pair of units contains one derived unit and one SI		
	Α	ampere	coulomb

B kilogram kelvinC metre second

D newton

2 What is equivalent to 2000 microvolts?

pascal

A $2 \mu J C^{-1}$ **B** 2 mV **C** 2 pV **D** 2000 mV

3 The speed v of a liquid leaving a tube depends on the change in pressure ΔP and the density ρ of the liquid. The speed is given by the equation

$$v = k \left(\frac{\Delta P}{\rho}\right)^n$$

where *k* is a constant that has no units.

What is the value of n?

A
$$\frac{1}{2}$$
 B 1 **C** $\frac{3}{2}$ **D** 2

Space for working