A2

(a) $h \Delta T$

(b) $\frac{\lambda}{d} \Delta T$

(c) $\rho u^2 d^2$

(d) $\mu u d$

(e) $Pr = \frac{C_p \mu}{\lambda}$

$= \frac{\frac{\mu}{\rho}}{\frac{\lambda}{\rho C_p}}$

$= \frac{\nu}{\alpha}$

$\frac{\lambda}{\rho C_p}$