

18 Liquid Q has twice the density of liquid R.

At depth x in liquid R, the pressure due to the liquid is 4 kPa.

At what depth in liquid Q is the pressure due to the liquid 7 kPa?

A $\frac{2x}{7}$

B $\frac{7x}{8}$

C $\frac{8x}{7}$

D $\frac{7x}{2}$

19 A sample of metal is subjected to a force which increases to a maximum value and then