

Ex 12.3

depth, $d = 12.0 \text{ m}$
density, $\rho = 1000 \text{ kg m}^{-3}$



Absolute Pressure, $P = P_0 + \rho g d$

$$P = (1.013 \times 10^5 \text{ N m}^{-2}) + (1000 \text{ kg m}^{-3})(9.8 \text{ m s}^{-2})(12.0 \text{ m})$$

$$P = 2.19 \times 10^5 \text{ Pa}$$

