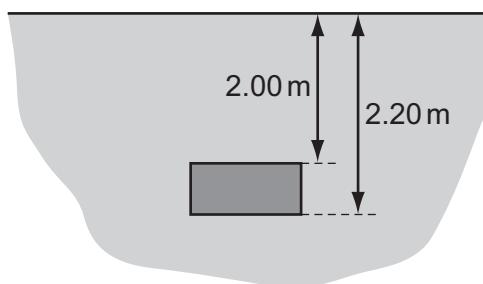


- 23 The diagram shows a rectangular block of mass 8.2 kg immersed in sea water of density $1.10 \times 10^3 \text{ kg m}^{-3}$.



What is the difference in pressure between the top and bottom surfaces of the block?

- A $2.2 \times 10^2 \text{ Pa}$
- B $2.2 \times 10^3 \text{ Pa}$
- C $1.8 \times 10^4 \text{ Pa}$
- D $2.3 \times 10^4 \text{ Pa}$

Space for working