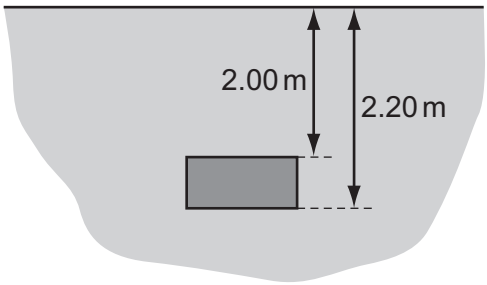
22 Which row correctly describes the ordering and motion of the molecules in water and in ice when both are at a temperature of 0 °C?

	ordering	motion
A	a regular pattern of molecules in ice but not in water	molecules in both ice and water have the same average speed
B	a regular pattern of molecules in ice but not in water	molecules in ice travel more slowly than those in water
C	a regular pattern of molecules in both ice and water	molecules in ice travel more slowly than those in water
D	a regular pattern of molecules in both ice and water	molecules in both ice and water have the same average speed

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