21 At a depth of 20 cm in a liquid of density $1800 \,\mathrm{kg}\,\mathrm{m}^{-3}$, the pressure due to the liquid is p.

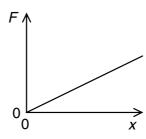
Another liquid has a density of 1200 kg m⁻³.

What is the pressure due to this liquid at a depth of 60 cm?

- A $\frac{p}{2}$
- $\mathbf{B} = \frac{3\mu}{2}$
- **C** 2
- **D** 3p
- **22** Which line in the table gives approximate ratios of density and molecular spacing for a substance in its solid, liquid and gas phases?

	density	molecular spacing
	solid : liquid : gas	solid : liquid : gas
Α	1000 : 1000 : 1	1 : 1 : 10
В	1000 : 100 : 1	1 : 10 : 1000
С	1000 : 1000 : 1	1 : 1 : 1000
D	1000 : 100 : 1	1 : 10 : 100

23 The variation of the extension x of a spring with applied force F is shown.



Which shaded area represents the work done when the extension is increased from x_1 to x_2 ?

