

- 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
<b>A</b>	1000 : 1000 : 1	1 : 1 : 10
<b>B</b>	1000 : 100 : 1	1 : 10 : 1000
<b>C</b>	1000 : 1000 : 1	1 : 1 : 1000
<b>D</b>	1000 : 100 : 1	1 : 10 : 100

- 23** The variation of the extension  $x$  of a spring with applied force  $F$  is shown