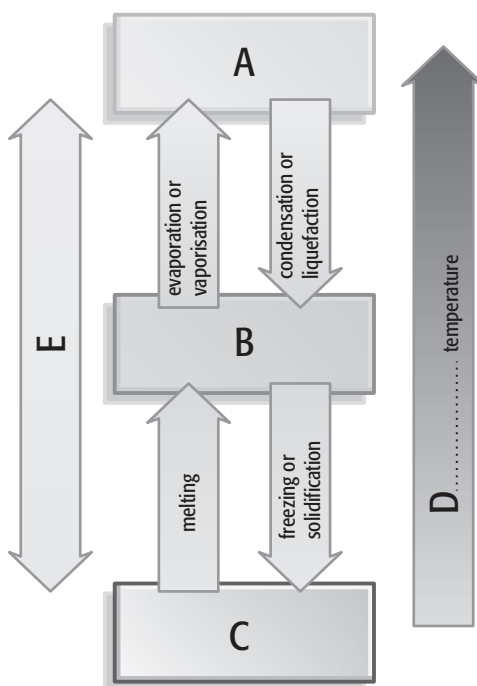


Worksheet 2.1

States of matter

1 a Complete the diagram by deciding the words which complete the labels A, B, C, D and E.



A = B =

C = D =

E =

b What other change in physical conditions can bring about a change in state even if the temperature remains the same?

.....

2 The table below shows how many grams of five different solids dissolve in 100 g of the solvents water, alcohol and trichloroethene (all at 20°C).

Solvents	Solids				
	salt	sugar	iodine	chalk	urea
water	36.00	204.00	0.03	0.00	100.00
alcohol	0.00	0.00	20.00	0.00	20.00
trichloroethene	0.00	0.00	3.00	0.00	0.00

a Which solid dissolves best in water at 20°C?

b Which is the best solvent for iodine?

c Which solid is insoluble in all three solvents?