

④ 5g KCl, ~~2.5M~~, — 1 l

2.5 mole KCl
1 l

1 l	1 mole KCl	5g KCl	= 0.27 l 270 ml
2.5 mole KCl	74g KCl		

Mar 9-9:38 AM

⑦ g solute in 100ml H₂O

Solubility

As Temp increases:

Temp

① Solubility of a solid in the (aq) increases.

② Gases are less soluble in hotter solutions.

Mar 9-9:50 AM

H_2O
 $10^\circ C$
 Gas stays in Soda for a while

H_2O
 $90^\circ C$
 Gas escapes more easily
 Concentration gas ↓ as T ↑

Mar 9-9:55 AM

50°C
 (G) 42 g KCl in 100 ml H_2O **RATIO**

→ 84g
 → 21

200 ml H_2O
 50 ml H_2O

Mar 9-9:59 AM

⑥ line = SATURATED

cut line → FULL

42g KCl @ 50°C in 100ml H₂O

30g KCl 50°C in 100ml H₂O

UNSATURATED

Mar 9-10:01 AM