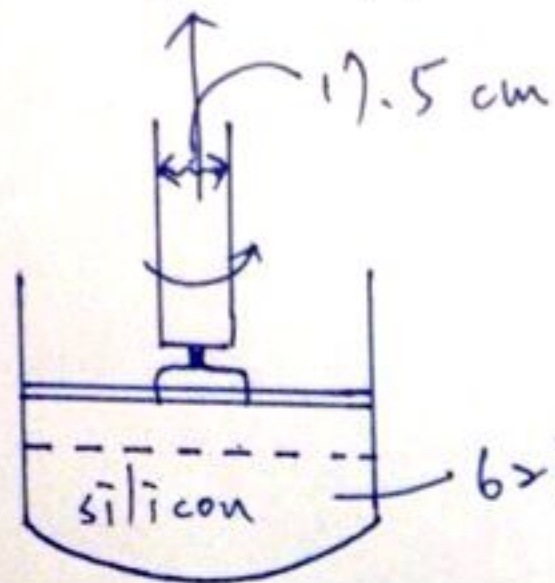


6.20 (3.1.14)



Time to remove Silicon is 3mm per minute

$$\text{圓筒表面積} = 8.15^2 \pi \div 16.56 \pi \text{ cm}^2$$

$$16.56 \pi \times 0.3 \text{ cm} = 22.91 \pi \text{ per minute}$$

矽熔點為 1414°C , 故題目為液態
液態密度為 2.57 g/cm^3

$$\frac{24125}{22.91 \pi} = 334.3 \text{ minutes} \quad \text{(總量)} \quad 2.57 \text{ g/cm}^3 = \frac{60000 \text{ g}}{V} \quad V = 24125 \text{ cm}^3$$

$$\frac{334.3}{2} = 167.15 \text{ (minutes)} \rightarrow \text{不考慮圓柱管長.}$$

② 24125 cm^3

7.10 (3, 2, 10)

wt %
SO₂ 0.23
H₂S 0.36
CS₂ 0.41

wt %
SO₂ 0.20
H₂S 0.33
CS₂ 0.47

wt %
SO₂ 0.54
H₂S 0.27
CS₂ 0.19

wt %
SO₂ 0.25
H₂S 0.23
CS₂ 0.52

