2014-04-24

$$\frac{V_w}{n_w} = k$$

$$\frac{V_p}{n_p} = k$$

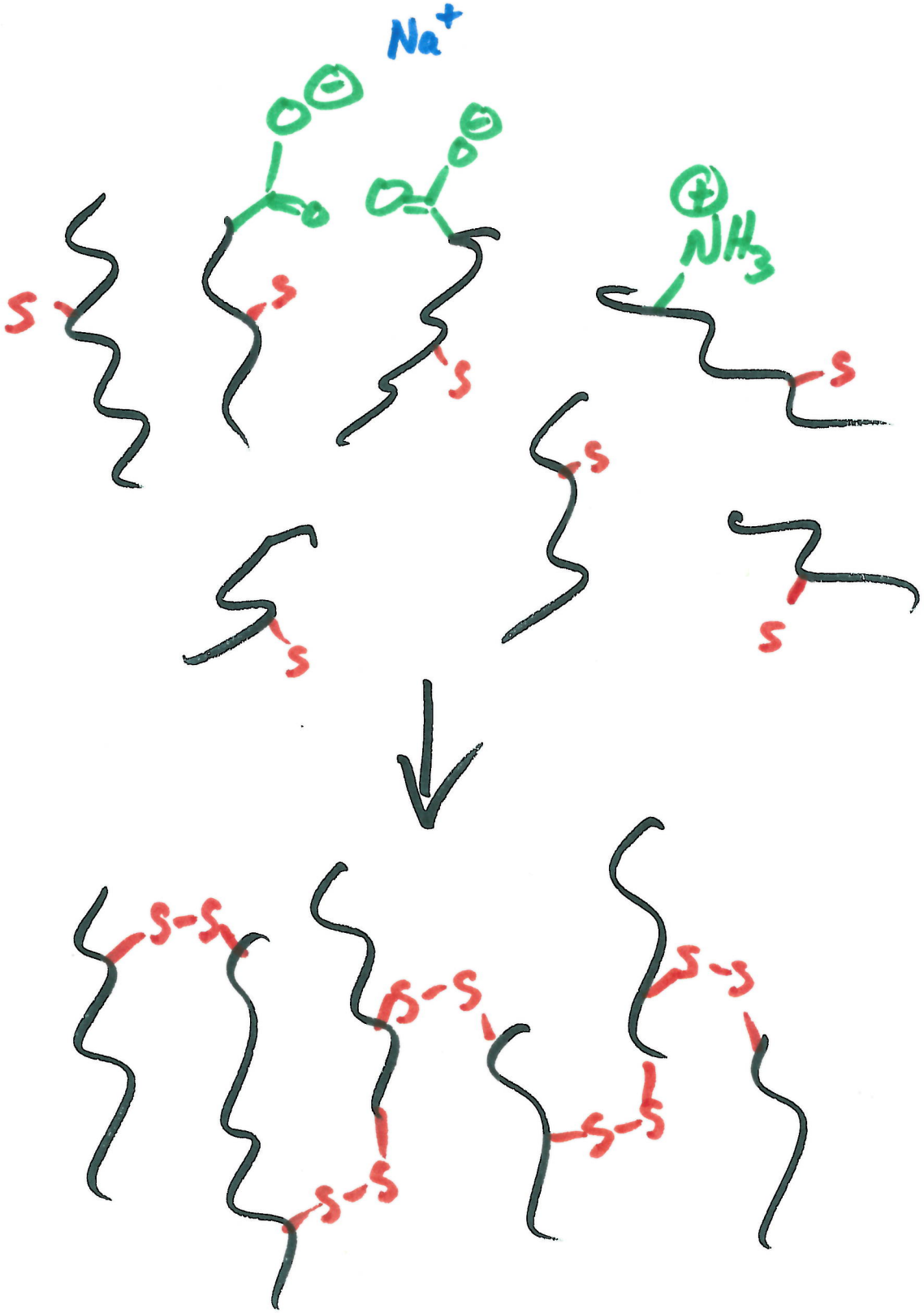
$$\frac{V_1}{n_1} = \frac{V_2}{n_2}$$

2014-04-24

$$\frac{V_1}{T_1} = \frac{V_2}{T_2}$$

$$\frac{8\,L}{\cancel{19^\circ C}\ 292\,K} = \frac{V_2 \rightarrow 7.5\,L}{\cancel{0^\circ C}\ -1^\circ C\ 273\,K}$$

2014-04-24



2014-04-24

65°C ~ 150° - 160°F

$$\frac{V_1}{T_1} = \frac{V_2}{T_2}$$

$$\frac{273}{65}$$
$$338$$

$$\frac{1\,mL}{293\,K} = \frac{V_2}{338K}$$

$$V_2 = 1.15\,mL$$

$$1\,mL\left(\frac{338K}{293K}\right) = 1.15$$