

22 Sep Chem Pre-15

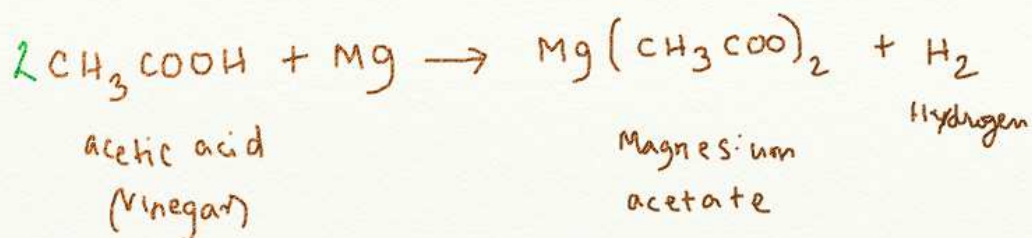
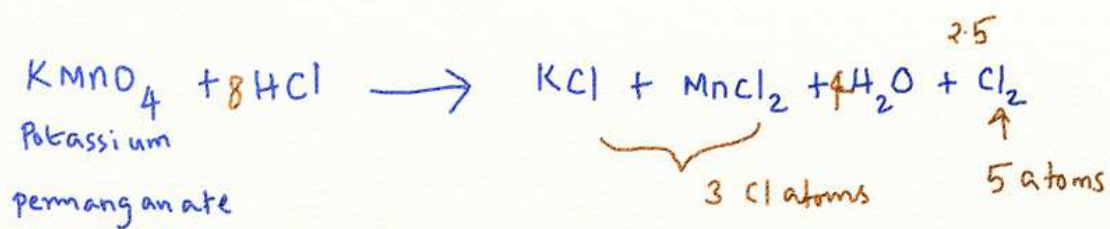


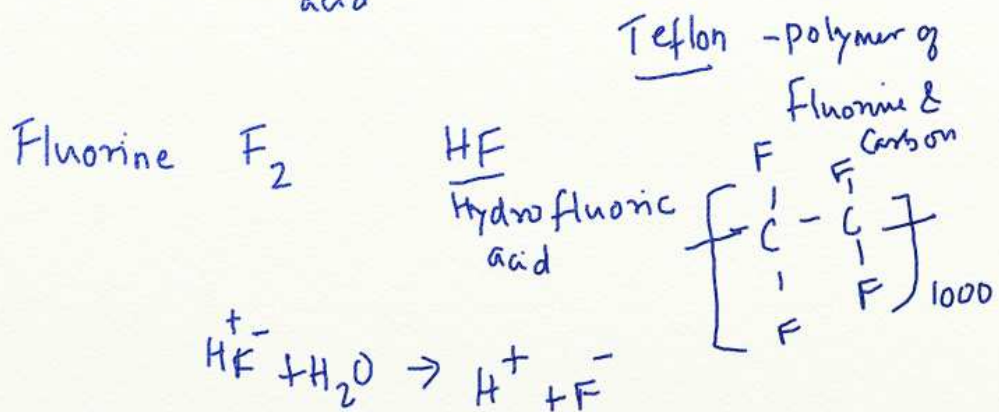
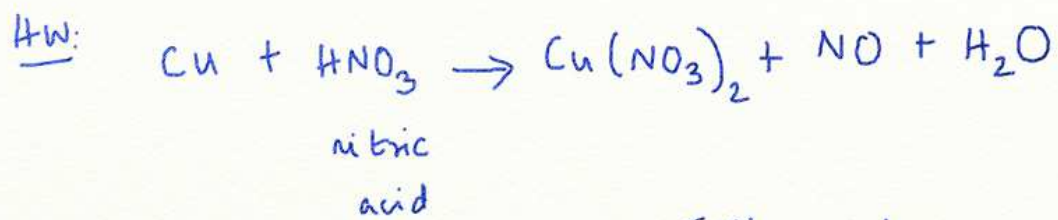
Na: Left Right
 2 2

O : 4+2 4+2

H : 2+2 2(2)=4

S : 1 1





Units & Conversion

$$34 \frac{\text{km}}{\text{h}} \quad \text{---} \quad \frac{\text{miles}}{\text{h}}$$

Convert

1 mile = 1.6 km

$$\frac{\text{kg}}{\text{ml}} = \rho_{\text{H}_2\text{O}} = ? \frac{\text{kg}}{\text{m}^3}$$

picket fence method:

$$34 \frac{\cancel{\text{km}}}{\cancel{\text{h}}} \times \frac{1 \cancel{\text{km}}}{1.6 \cancel{\text{km}}} = \frac{34}{1.6} \approx 20 \frac{\text{miles}}{\text{h}}$$

34 km	mile
h	1.6 km

$$\frac{34}{1.6} \approx \frac{32}{16 \times 10^{-1}} = \frac{2}{10^1} = 2 \times 10^1 = 20$$