

naam Uitwerking oefentoets Repro

klas PW 1

cijfer

vak

datum

docent S. STROTHMANN

toetscode

opleiding

aantal pagina's

1 Roest is een verbinding van ijzer met zuurstof.

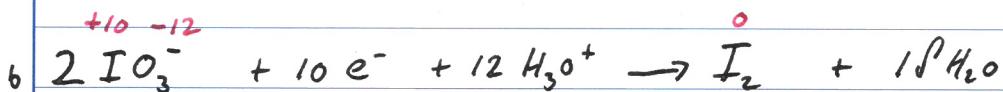
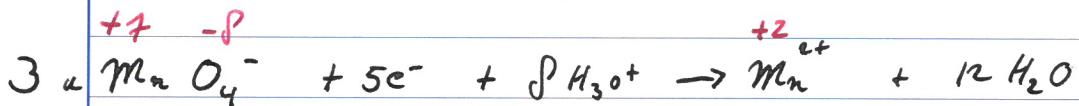
2 a $N_a = +1$ $S = +4$ $O = -2$

b $K = +1$ $C_a = +12$ $O = -2$

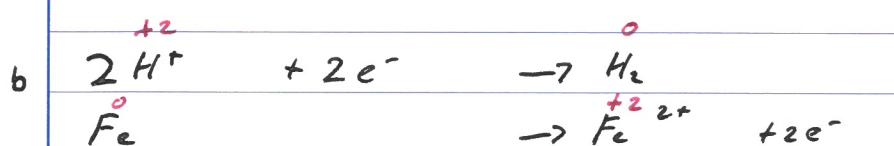
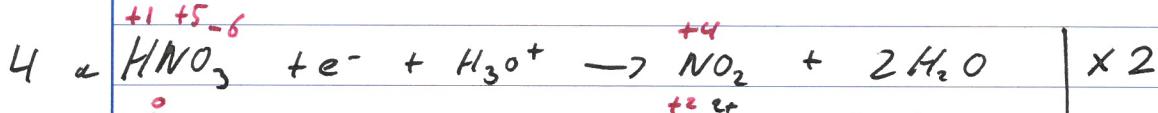
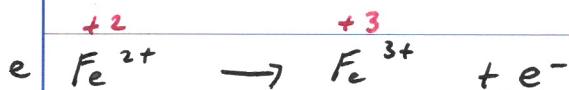
c $H = +1$ $C = +6$ $O = -2$

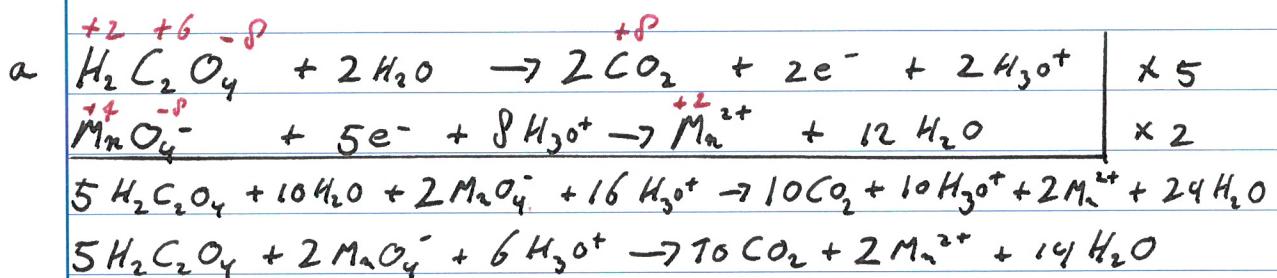
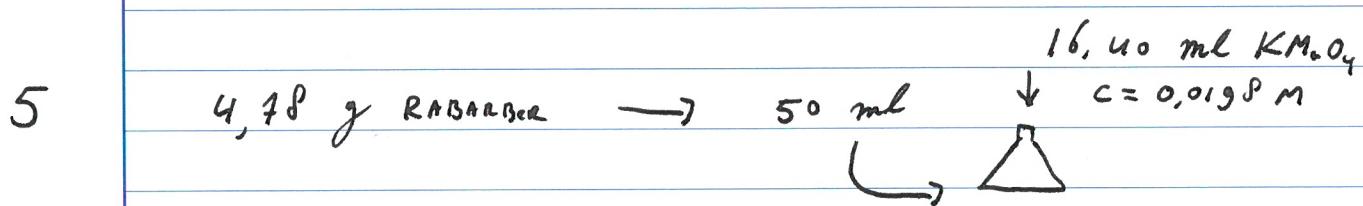
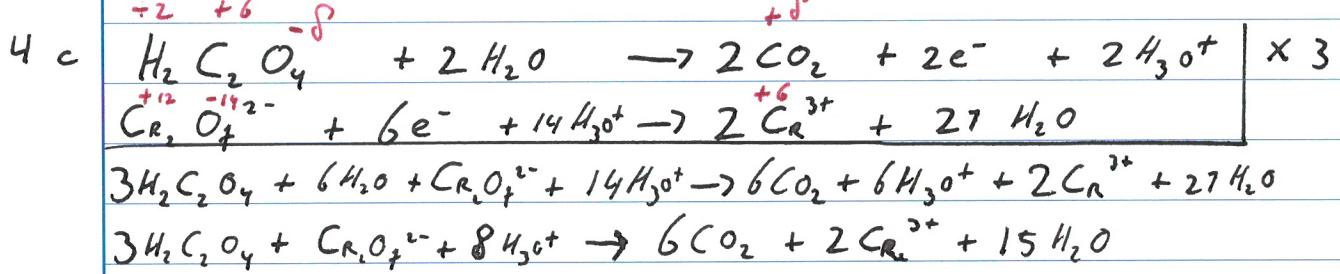
d $H = +1$ $N = +5$ $O = -2$

e $C = 0$ $H = +1$ $O = -2$



d Huh.. er is Helemur geen "d" ö





b $16,40 \text{ ml} \times 0,0198 \text{ M} = 0,325 \text{ mmol KMnO}_4 \quad (n = c \cdot V)$

Reactie = $5\text{H}_2\text{C}_2\text{O}_4 : 2\text{MnO}_4^-$
 $0,325 \text{ mmol} \leftarrow 0,325 \quad (: 2 \times 5)$

$0,325 \text{ mmol} \times 90,03 = 29,03 \text{ mg oxaliczuur}$

c $\frac{29,03}{4780} \times 100\% = 1,53\%$