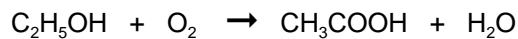
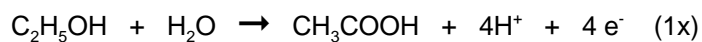
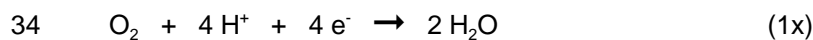


## Wijnbederf



35  $[H^+] = 6,6 \times 10^{-4} \text{ mol L}^{-1}$

36 -  $200 \text{ mg SO}_3^{2-} = 200 / 80,06 \text{ mmol} = 2,498 \text{ mmol SO}_3^{2-}$

-  $2,498 \text{ mmol SO}_3^{2-}$  reageert met :  $2,498 / 2 \text{ mmol O}_2 = 1,249 \text{ mmol O}_2$   
dat is :  $1,249 \times 32,00 = 40,0 \text{ mg O}_2$

37 - in 2 glazen wijn zit :  $2 \times 120 = 240 \text{ mL wijn} = 0,240 \text{ L wijn}$   
daarin zit :  $0,240 \times 200 = 48,0 \text{ mg SO}_3^{2-}$

-  $48,0 \text{ mg SO}_3^{2-} = 48,0 / 80,06 \text{ mmol} = 0,5996 \text{ mmol SO}_3^{2-}$

het sulfiet wordt berekend als  $SO_2$  :

$0,5996 \text{ mmol SO}_2$  heeft massa van :  $0,5996 \times 64,06 = 38,41 \text{ mg}$

- voor iemand van 62 kg is de inname dus :  $38,41 / 62 = 0,62 \text{ mg SO}_2$  per kg  
dat is minder dan de toegestane  $0,7 \text{ mg}$  per kg