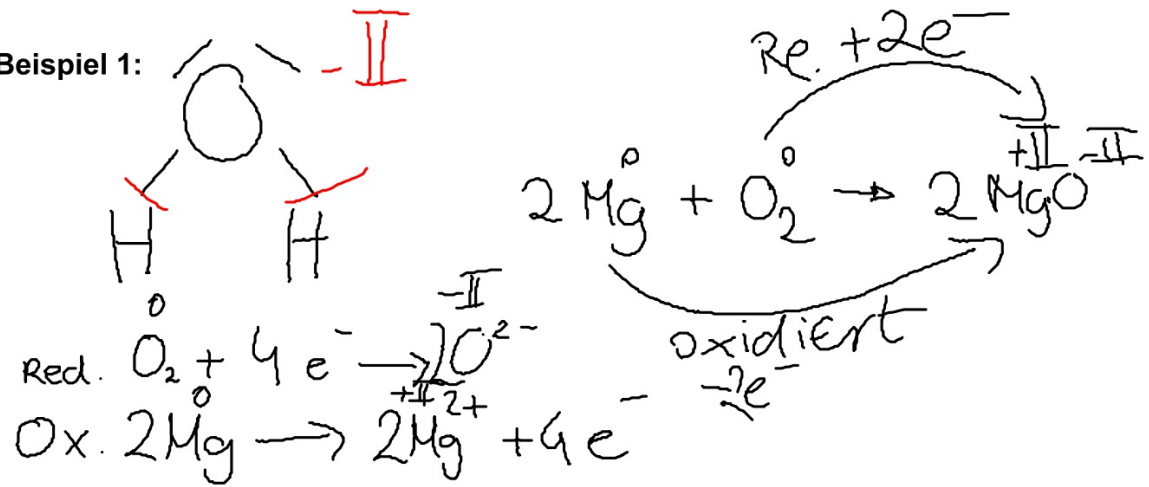
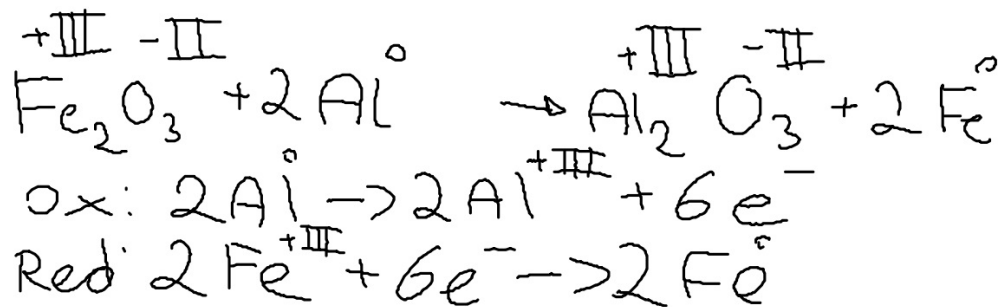


Basics: Redoxgleichung/Oxidationszahl

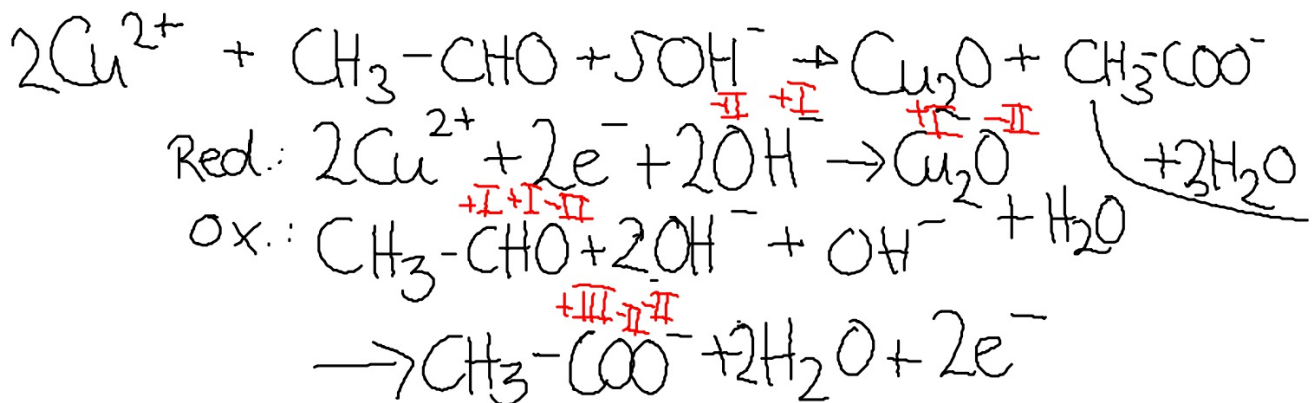
Beispiel 1:



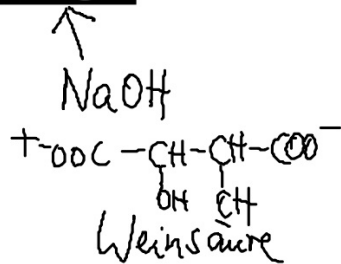
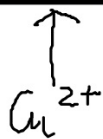
Beispiel 2:



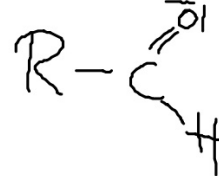
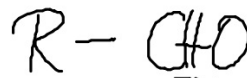
Beispiel 3:



Versuch: Fehling-Probe

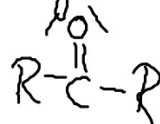


Nachweis von
Aldehyden (Alkanalen)



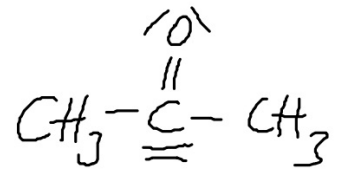
Ketone (Alkanone)

reagieren nicht.

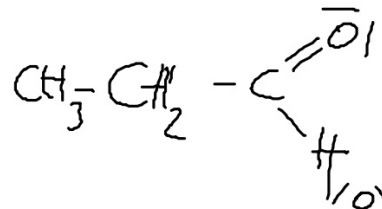


Fehling-Probe .

Aceton
(Propanon)



Propanal



Carbonyl-Gruppe : $-\overset{\text{O}}{\parallel} \text{C}-$

Beobachtung :

(Propanon)

Aceton : keine Färbänderung

Propanal : roter Niederschlag