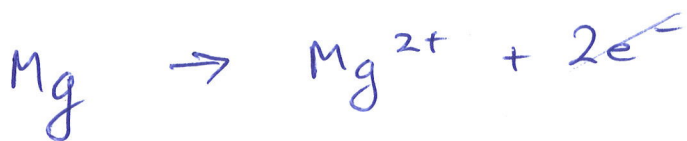
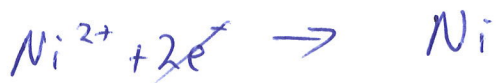


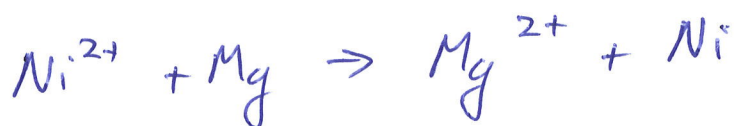
5.



+2.37 V



-0.26 V



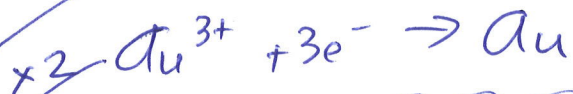
+2.11 V

∴ spontaneous

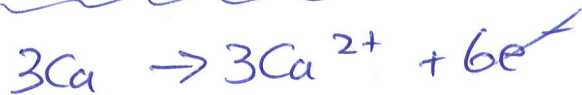
6.



+2.87 V



+1.50 V



+4.37 V



∴ spontaneous



7.



+0.14 V



-0.13 V



+0.01 V

spontaneous

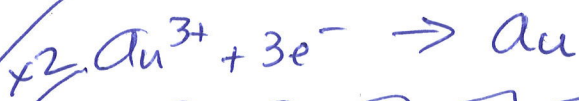
(barely!!)



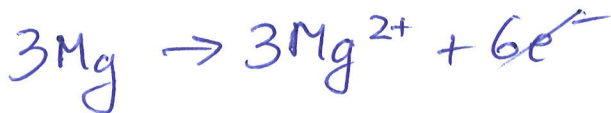
$$-2.93 \text{ V}$$

$$-4.05 \text{ V}$$

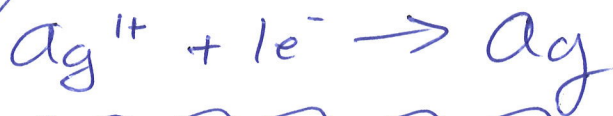
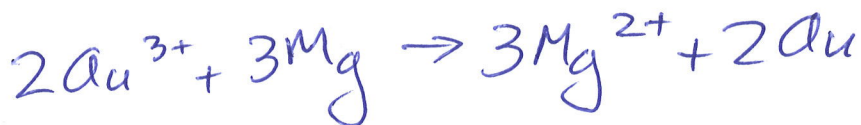
\therefore non-spontaneous



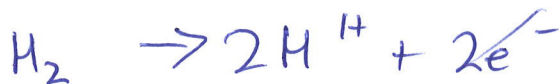
$$+3.87 \text{ V}$$



\therefore spontaneous



$$+0.80 \text{ V}$$



$$+0.80 \text{ V}$$

\therefore spontaneous

