Types of Rans Hank
py 115 \#1-5, pg $117^{\# 1} 1,2,5$

1) $2 \mathrm{Fe}(s)+\mathrm{O}_{2(g)} \rightarrow 2 \mathrm{Fe} \mathrm{O}_{(s)}$ Synthesis
2) $2 \mathrm{HNO}_{5}\left(\mathrm{O}_{q}\right)+\mathrm{ZCu}(\mathrm{s}) \rightarrow \mathrm{H}_{2(g)}+\mathrm{Cu}\left(\mathrm{NO}_{3}\right)_{2}\left(\mathrm{q}_{q}\right)$. single displacemat
3) $\mathrm{H}_{2} \mathrm{SO}_{4}($ (q) $)+\mathrm{N}_{2} \mathrm{OH}\left(\right.$ (eq) $\left.\rightarrow \mathrm{H}_{2} \mathrm{O}(\mathrm{l})+\mathrm{N}_{2} \mathrm{SO}_{4(\text { aq }}\right)$.

Dauble isplzeement
4) $2 Z n(s)+2 \mathrm{HCl}_{\text {(qq) }} \rightarrow 2 Z n C l(z)+\mathrm{H}_{2}(g)$
single displacemat
5) $\mathrm{Pb}\left(\mathrm{NO}_{3}\right)_{2}(2 q)+2 \mathrm{KI}(2 q) \rightarrow 2 \mathrm{~K} \mathrm{NO}_{3}(q)+\mathrm{PbI}_{2}(s)$. double displriemeat.
6) $2 \mathrm{Mg}_{\mathrm{g}}(\mathrm{s})+\mathrm{O}_{2}(\mathrm{~g}) \oplus 2 \mathrm{MgO}_{(s)}$

Synthesis.
7) $2 \mathrm{~N}_{2} \mathrm{Cl}(e) \rightarrow 2 \mathrm{~N}_{2}(\mathrm{~s})+\mathrm{Cl}_{2}(g)$

Decompostion
8) $Z n(s)+S(s) \rightarrow Z_{n} S(s)$

Synthesis

