

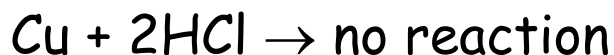
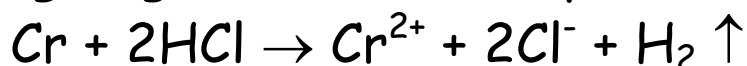
Metals and their Compounds

Lecture 5.3

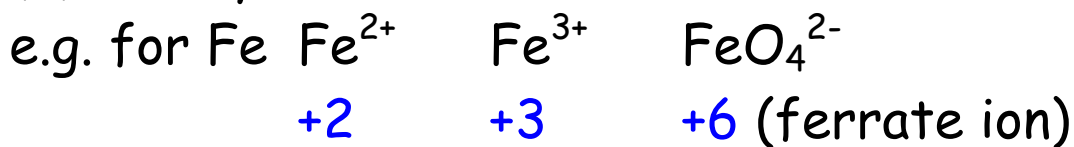
Transition metals (23.7 and Ch 24 BLB)

Properties of *Transition metals*

(i) *varying* degrees of electropositive character



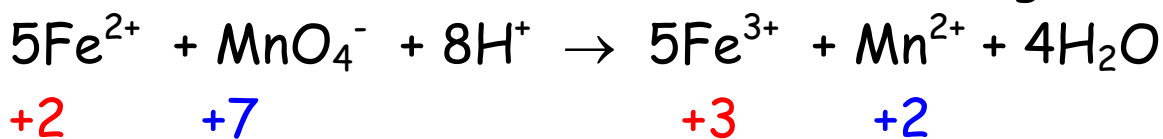
(ii) usually have *several* oxidation states



(iii) ions are usually *coloured* (fig 23.23 BLB)

Colours give added value !

(iv) often involved in *redox* reactions e.g



(v) form many *coordination compounds*