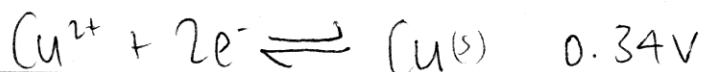
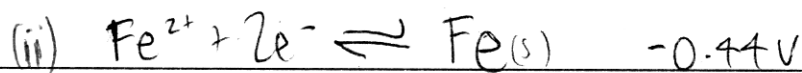




(a)(i) Galvanic Cell



(b) Bronsten and Lowry both increased our understanding of electron transfer reactions.

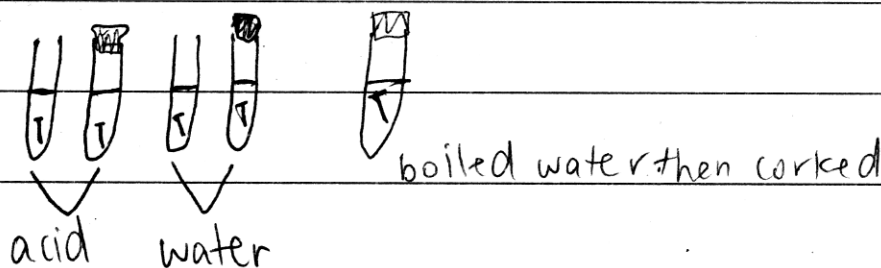
(c) (i)

(ii)

(d) (i) • We placed ~~a~~ nails in ~~a~~ test-tubes.

• Added acids, ~~water~~ ^{water (distilled)}, covered some with ~~esther~~ ^{corks} and left some opened. Boiled one with water to see affect of heat.

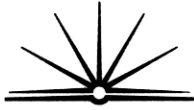
• We left them for a few days to see the rate of corrosion.



(ii) For something to corrode, it needs O_2 to be present. With the acid we used HCl , O_2 is not present therefore corroded less than the one with ~~the~~ H_2O .

(e) It is colder at the bottom of the ocean.

~~It is less~~ There is less oxygen also.



But still a metal will corrode.