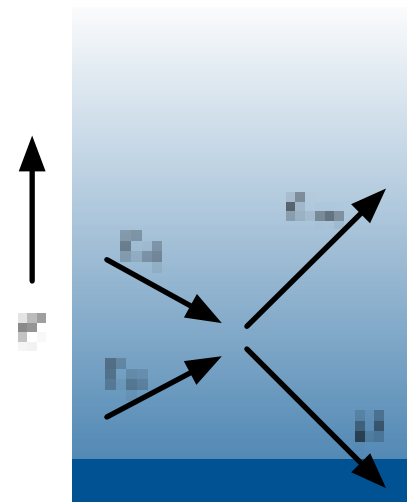
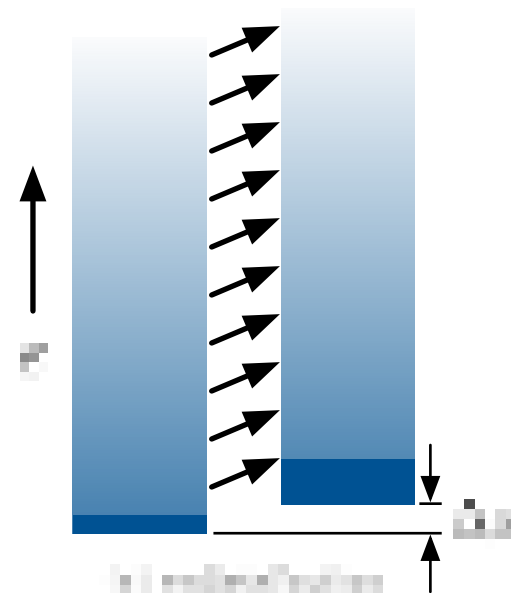


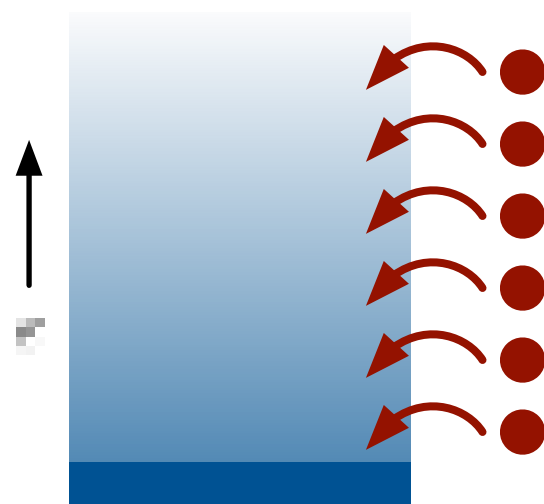
(a) chemical channel



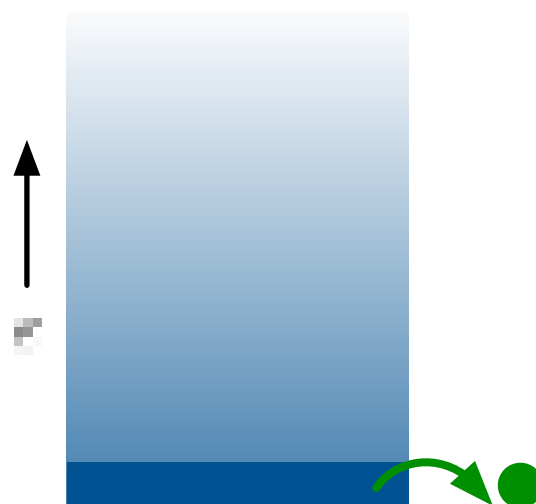
(b) chemical coordination



(c) redox reaction



(d) redox reaction



(e) redox reaction