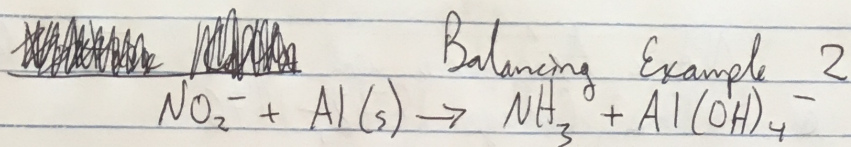
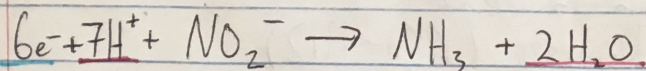


Wed Apr 17

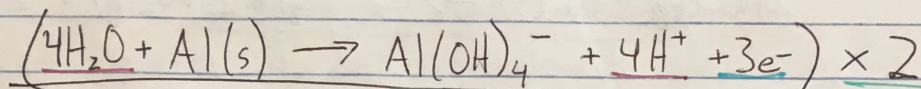
Participation thru clickers starting Friday



• separate into
 $\frac{1}{2}$ rxns



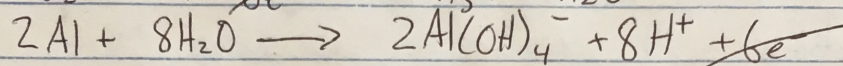
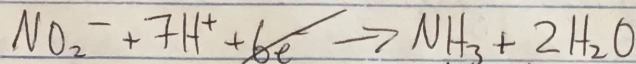
• balance atoms
other than H and O



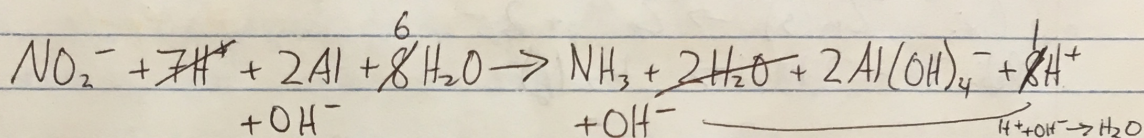
• balance H and O

• balance charge

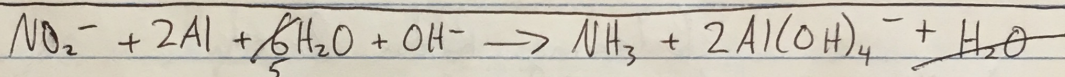
• multiply by common
factor to = e^-



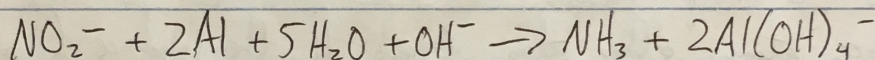
if in acid, done
here



if in bases, $\times \text{OH}^-$



done!



Voltaic Cells

- $\frac{1}{2}$ rxns separated so e^- 's can flow thru an external circuit
- The flow of e^- can be used to do work