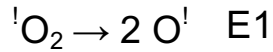


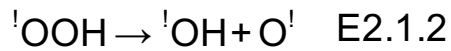
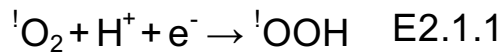
The oxygen reduction reaction has three main steps

Breaking the O-O bond, which may be

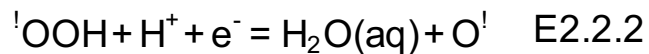
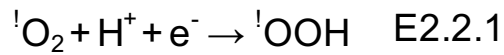
Dissociative



Associatively dissociative

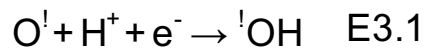


Associatively reductive

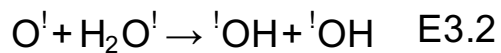


Conversion of O^{\cdot} to ${}^1\text{OH}$

By electrochemical reduction



By Langmuir-Hinshelwood hydrolysis



Conversion of OH^{\cdot} to H_2O

