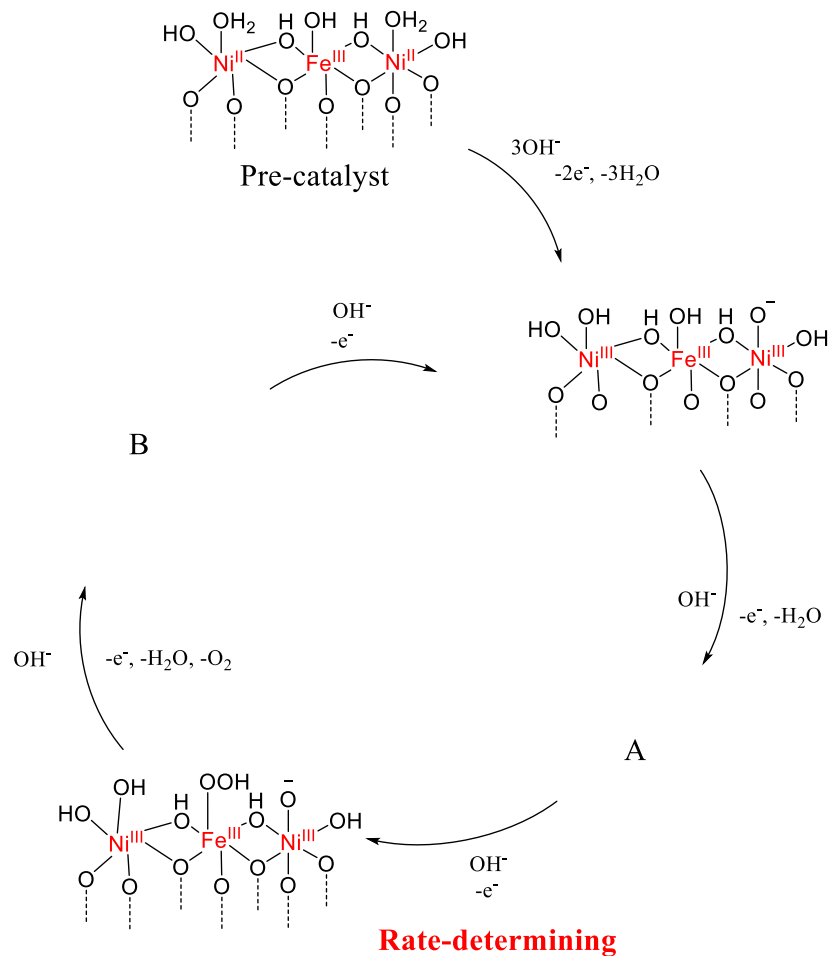


Nickel iron oxide (NiFeOx) is a benchmark catalyst for the oxygen evolution reaction. The following mechanism is proposed for NiFeOx. Please complete the missing species (A and B) in the catalytic cycle. Label the oxidation states of Ni and Fe.



A novel catalyst, FeOOH-NiOOH, exhibits about 10-fold higher intrinsic activity than NiFeO_x. The following mechanism has been proposed. Please complete the missing oxidation states of Ni and Fe (ox1-ox6).

