## Answer on the question #69468, Chemistry / Physical Chemistry

## **Question:**

Given the half redox reaction below, what is the coefficient of the electron in the balanced half reaction in a basic medium  $CrO2^{-4} + H2O --> Car(OH)3$ 

## Answer:

Balanced half-reaction is:

 $CrO_4^{2-} + 4H_2O + 3e^- \rightarrow Cr(OH)_3 + 5OH^-$  The coefficient of the electron is +3.

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