

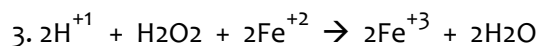
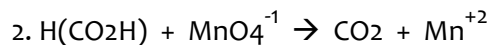
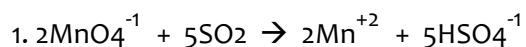


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## CHE1031: redox problem WS with a focus on half-equations<sup>1</sup> KEY

All of the equations shown here occur in aqueous acidic solutions. For each equation:

- (1) Assign oxidation numbers to determine which compounds are oxidized and which reduced.
- (2) Identify the compounds that serve as oxidizing agents and reducing agents.
- (3) Now solve each equation using the half-equation method. Please show and complete all steps!



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<sup>1</sup><http://www.chemistry.wustl.edu/~coursedev/Online%20tutorials/Plink/Redox/redoxset.htm>

