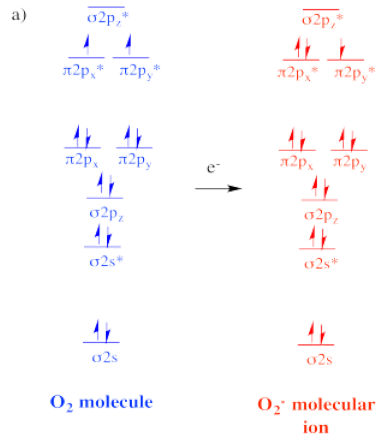


4.5: Solutions to Selected Problems

Exercise 4.1.1:

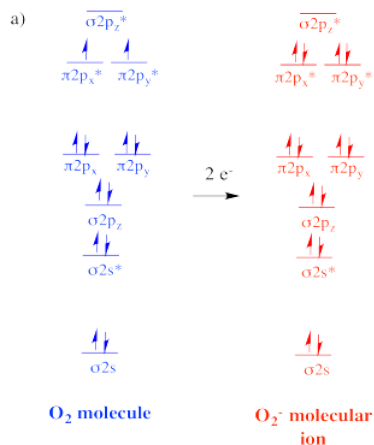


b) Superoxide is a doublet.

c) Superoxide has only 1.5 bonds (3 net bonding electrons).



Exercise 4.1.2:

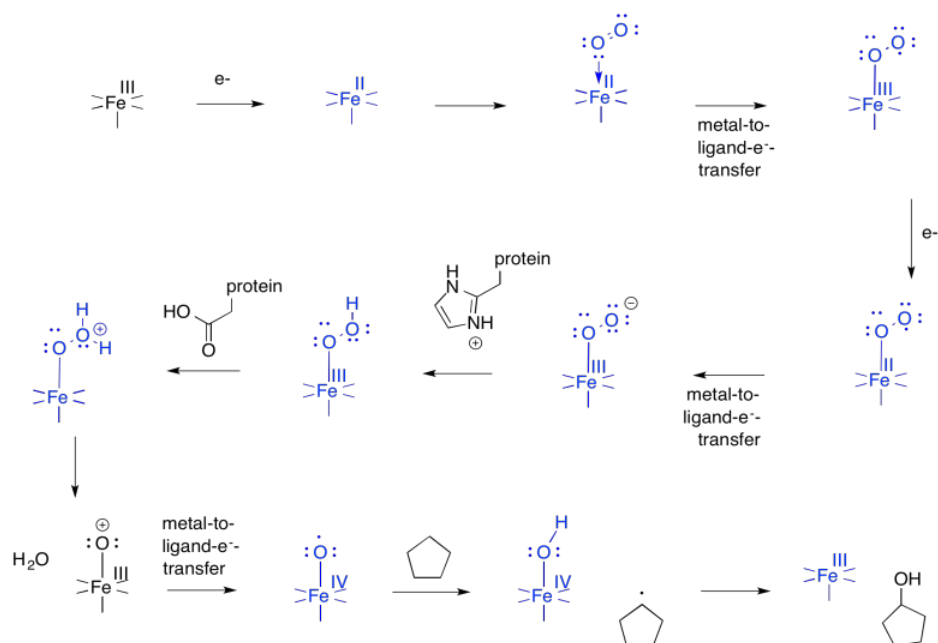


b) Peroxide is a singlet.

c) Peroxide has only 1 bond (2 net bonding electrons).



Exercise 4.3.1:



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