

## Note on Baeyer's test

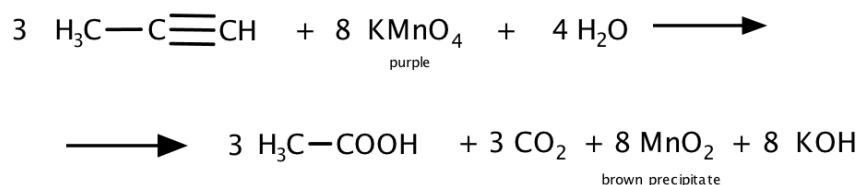


Figure 1:  $\text{KMnO}_4$  oxidizes hydrocarbons with double and triple bonds.

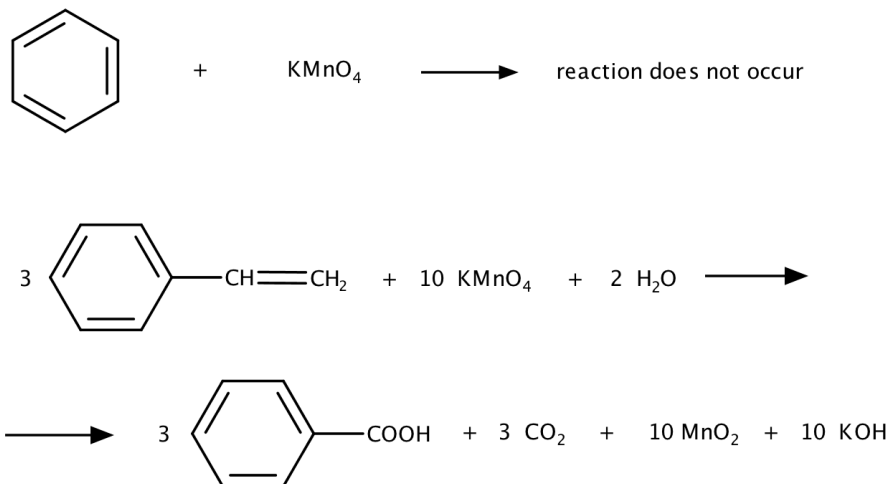


Figure 2:  $\text{KMnO}_4$  does not react with benzene ring in aromatic compounds.

*Baeyer's test for unsaturated bonds.* Quick oxidation of an unsaturated compound with  $\text{KMnO}_4$  one can apply as a test for the presence of multiple bonds. Intensely purple color of the solution of potassium permanganate changes into brown precipitate of manganese dioxide, what is the sign of occurring reaction. It is Baeyer's test for the presence of unsaturated bonds. Aromatic hydrocarbons do not pass this test.

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