

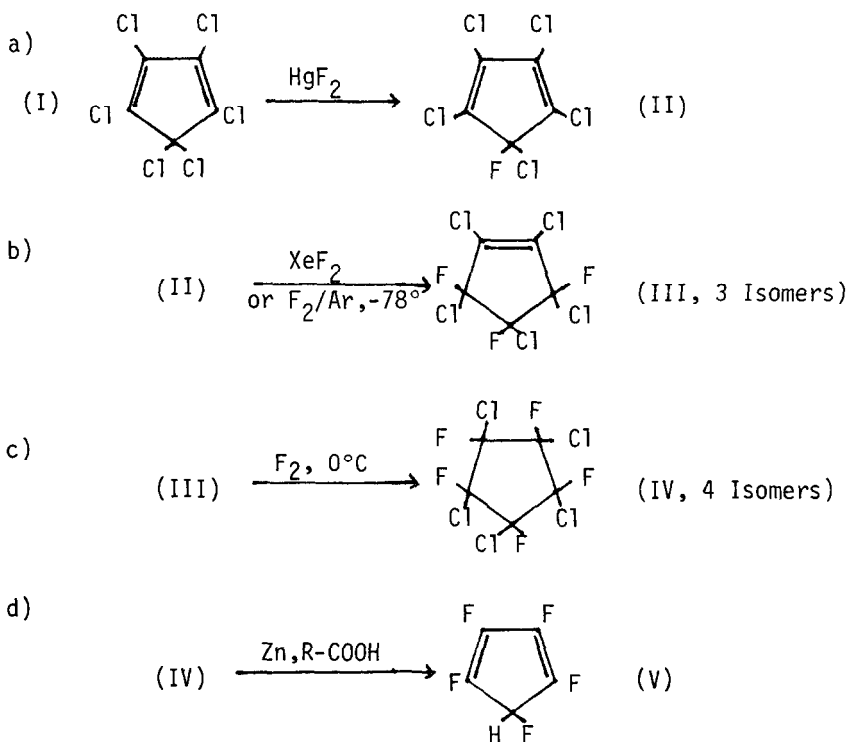
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ON THE WAY TO THE PENTAFLUOROCYCLOPENTADIENIDE-ION,  $c\text{-C}_5\text{F}_5^-$ 

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Another attempt was tried to produce the title ion  $c\text{-C}_5\text{F}_5^-$ . The reaction goes along the following steps:



1,2,3,4,5 Pentafluorocyclopentadiene (V) is a very reactive diene. If pure, dimerisation occurs already at  $-78^\circ\text{C}$ , and is partially reversible at  $700^\circ\text{C}$ .

The first reactions of V will be presented.