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A REVERSIBLE PHASE TRANSITION IN FERRIC FERRICYANIDE

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Abstract : Solid ferric ferricyanide which is dark green in colour undergoes reversible transition into a yellowish white form at 340°C . This phase change is also associated with a transition in the electrical conductivity. It is suggested that in the green form carbon in CN^{\equiv} is linked to high spin Fe^{3+} and in the yellow form this linkage is reversed.