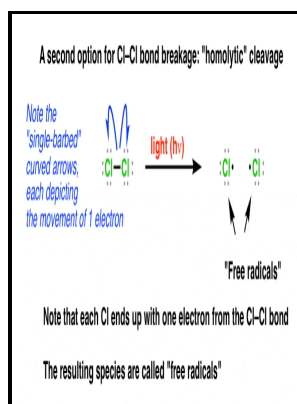


# Atomic and free radical reactions.

## Reinhold - 5.5. The Free



Description: -

-Atomic and free radical reactions.

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Notes: In 2 volumes.

This edition was published in 1954



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### Atomic and Free

These enzymes, like catalase, degrade hydrogen peroxide. However, some physical properties of BHT and BHA such as their high volatility and instability at elevated temperature, strict legislation on the use of synthetic food additives, carcinogenic nature of some synthetic antioxidants, and consumer preferences have shifted the attention of manufacturers from synthetic to natural antioxidants.

### Free Radicals and Reactive Oxygen

Although the precise mechanism and site of radical formation in vivo are not well elucidated yet, the metal-induced decompositions of hydroperoxides and hydrogen peroxide must be one of the important sources. Advances in Heterocyclic Chemistry 62. Synthetic antioxidants such as butylated hydroxytoluene and butylated hydroxyanisole have recently been reported to be dangerous for human health.

### 5.5. The Free

Induction of mutagenesis, the best known of the biological effect of radiation, occurs mainly through damage of DNA by the HO.

### Unit 5: Radicals and Radical Reactions

The presence of an unpaired electron results in certain common properties that are shared by most radicals.

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