



# Medical chemistry- year1



**Lecture No:13**

## **REACTIONS AND REAGENTS**

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## Objectives

At the end of this lecture we will understand the following points

- **Radical Reactions**
- **Elimination reactions**
- **E1 Mechanism**
- **E2 Mechanism**
- **substitution reaction**
- **Nucleophilic reactions.**
- **Electrophilic reactions**



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- **SN1 Reaction**
- **SN2 reaction**
- **Addition Reaction**
- **Types of Addition Reactions**
- **Electrophilic addition**
- **Nucleophilic addition**
- **Oxidation and Reduction Reaction**
- **Tooth whitening by oxidation-reduction of organic pigments**



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- **Oxidation -reduction in dental Caries Prevention**
- **Reagent**
- **Organic acid reagents**
- **Friedel-Crafts Reaction**
- **Dehydrating agent**
- **In Organic acid reagents**
- **Sulfuric acid for elimination reaction**
- **Hydrochloric acid**
- **Nitrous acid**



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