

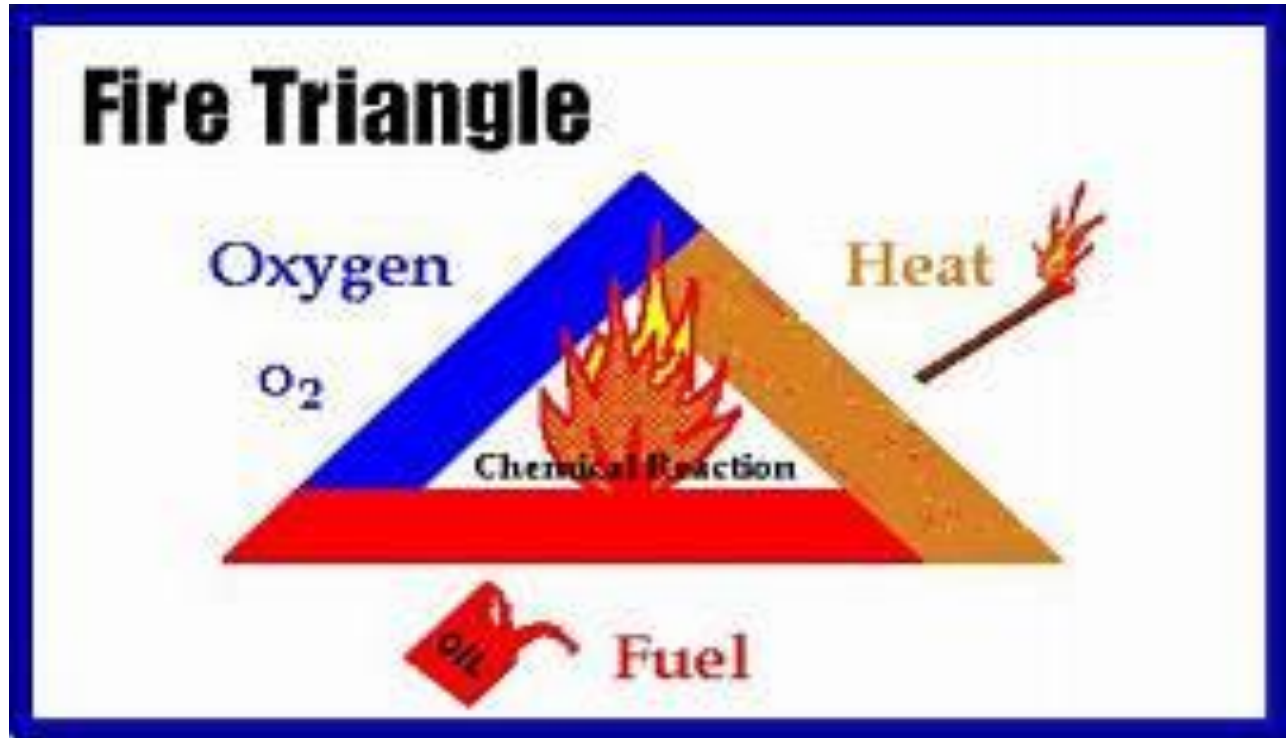


# **FIRE SAFETY**

# TOPICS

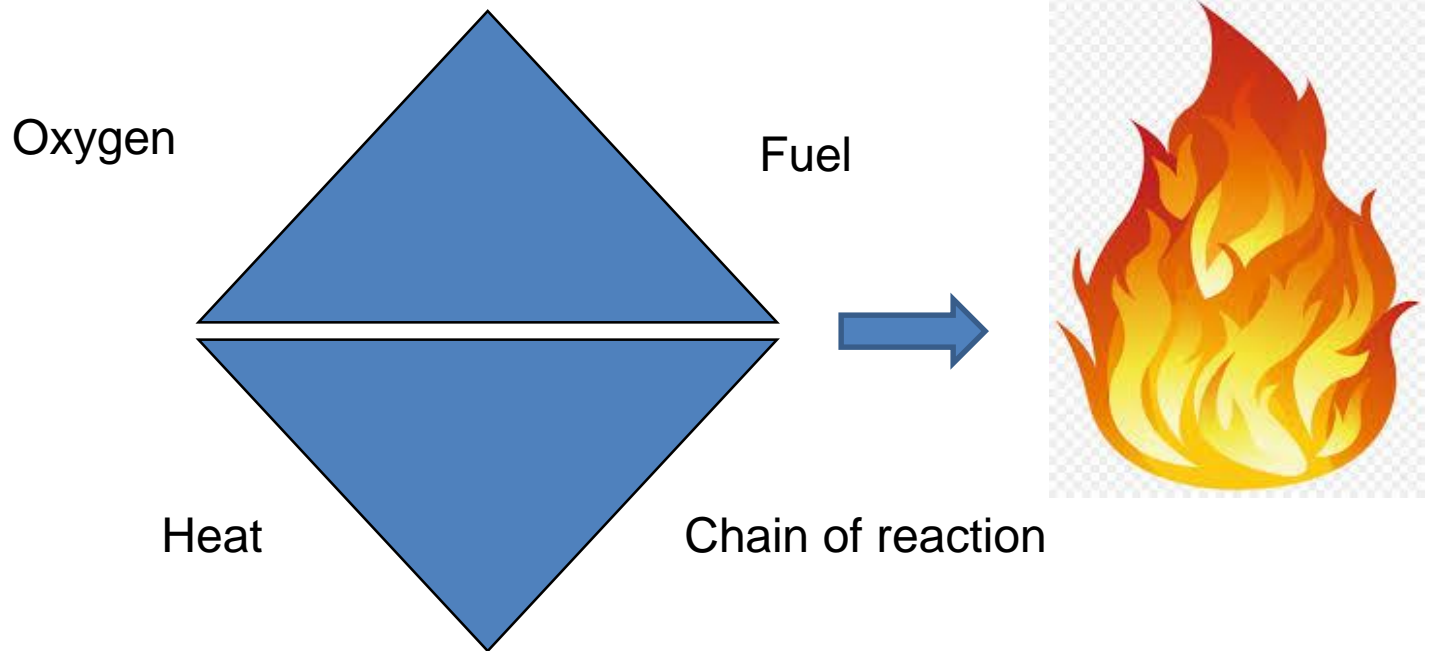
- What is Fire ?
- Methods to extinguish Fire.
- Classification of Fire and their preventions.
- Types of Fire Extinguishers.
- Anatomy of Fire Extinguishers and their operation.
- Safety guidelines while working at Chemical Labs.
- Fire Fighting decision criteria.
- Fire Survey Report

# WE KNOW.....



# FIRE TETRAHEDRON

- **Triangle is out....now Tetrahedron is in...**
- **Consists of 4 Sides**











# WAYS TO EXTINGUISH FIRE

By eliminating any one element from the fire Tetrahedron, fire can be stopped by the following methods:

- **Cooling** - by using water
- **Starvation** - by removing adjacent material from the site of fire
- **Smothering**- by cutting off air supply

# CLASSIFICATION OF FIRE

Class of Fire	Type of Fire	Type of Extinguisher	Extinguisher Identification	Symbol
<b>A</b>	Ordinary combustibles: wood, paper, rubber, fabrics, and many plastics	Water, Dry Powder, Halon		
<b>B</b>	Flammable Liquids and Gases: gasoline, oils, paint, lacquer, and tar	Carbon Dioxide, Dry Powder, Halon		
<b>C</b>	Fires involving Live Electrical Equipment	Carbon Dioxide, Dry Powder, Halon		
<b>D</b>	Combustible Metals or Combustible Metal Alloys	Special Agents		No Picture Symbol 
<b>K</b>	Fires in Cooking Appliances that involve Combustible Cooking Media: Vegetable or Animal Oils and Fats		