

**Products of Smoke
&
Incomplete Combustion**

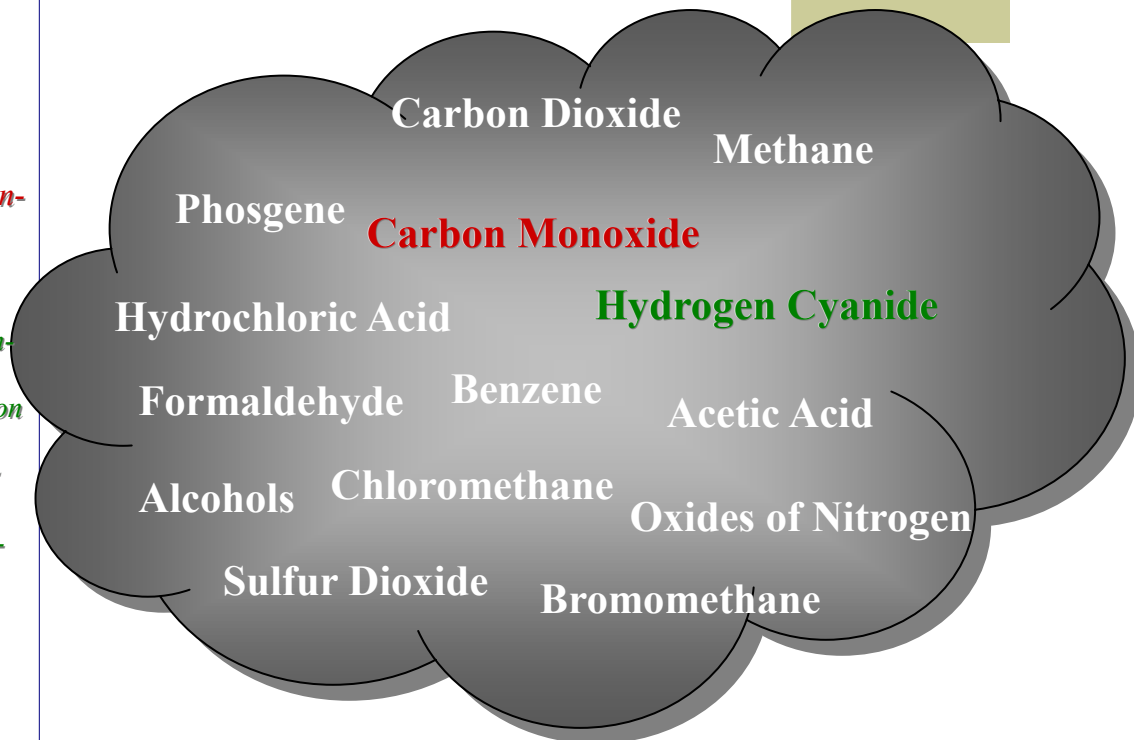
- Sulfur dioxide
- Hydrogen Chloride
- Formaldehyde
- Alcohols
- Phosgene
- Chloromethane
- Bromomethane
- Methane
- Benzene
- Acetic acid
- Oxides of Nitrogen
- Hydrogen Sulfide
- Carbon Dioxide
- **Carbon Monoxide**
- *Generated from natural, organic compounds, synthetics, and polycarbonates*
- **Hydrogen Cyanide**
- *Generated from the combustion of natural and synthetic materials: wood, cotton and silk*
- *Generated by synthetics and polycarbonates: TVs, Computers, Carpets, Insulation, Foams and Laminates*

**Times to Wear your
SCBA**

- Structure Fires
- Car & Truck Fires
- Around smoldering materials
- Cause and Origin
- Overhaul Operations



**Points
To
Ponder**



“Toxic Twins”

Work synergistically to hurt the brain and the heart

Hydrogen Cyanide

- *Kills your organs*
- *30 times deadlier than carbon monoxide*
- *Cyanide disables the bodies ability to use oxygen*
- *Long term effects result from exposure*

Carbon Monoxide

- *Kills your blood*
- *Attaches to red blood cells 250 times greater than oxygen*
- *Has accumulative effects*

WEAR YOUR SCBA!