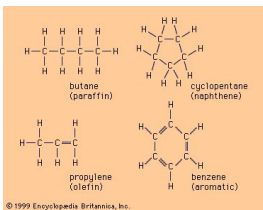
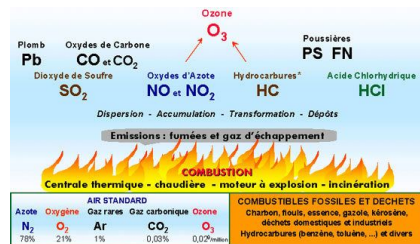
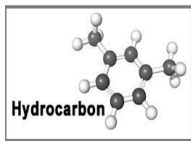
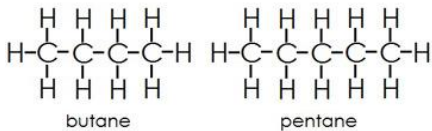
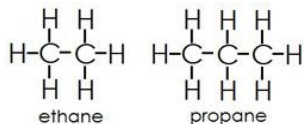
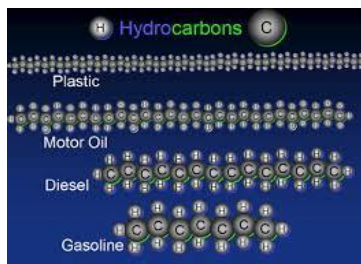


# Toxic substances hydrocarbon

## Pictures of your toxic substance



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# Database Photos

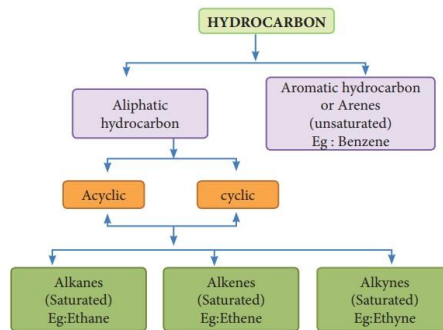
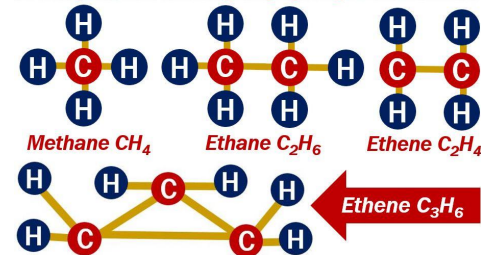


Fig.13.1. Classification of Hydrocarbons

# What is a Hydrocarbon?

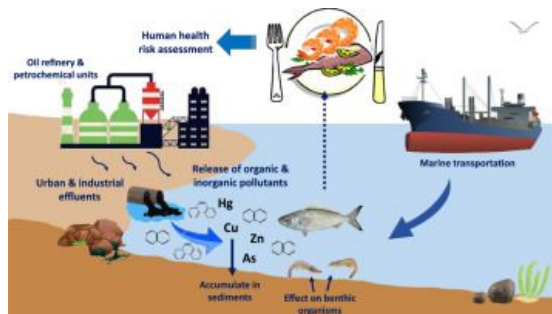
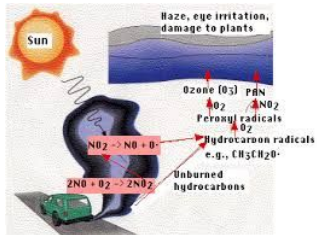
A compound containing only hydrogen and carbon



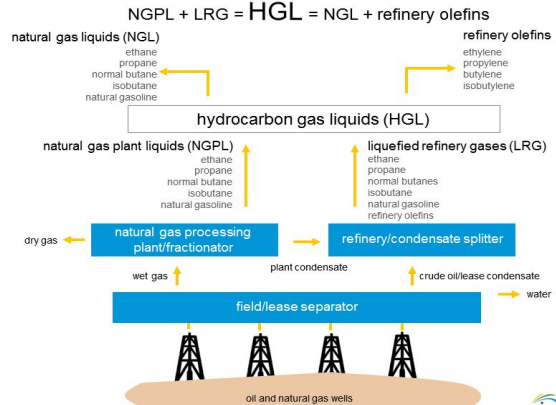
# Toxic substances hydrocarbon

# Database Photos

Where does this substance come from?



## Sources, production, and types of hydrocarbon gas liquids



Source: U.S. Energy Information Administration

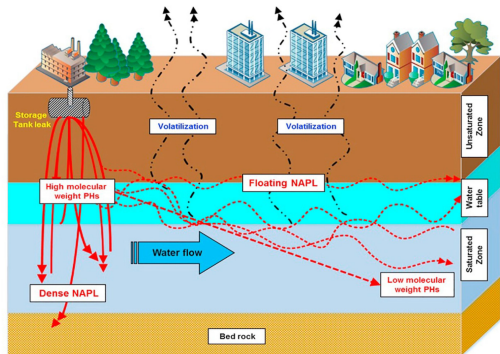


**Oxides of Carbon**

1) Carbon monoxide (CO)

Coal    Fire wood    Petrol

**AIR POLLUTION | HYDROCARBONS |**

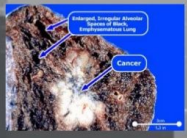


# Toxic substances hydrocarbon

What does this toxic substance do for your health?

## Hydrocarbon

- **Effects on human health--**
- Aromatic hydrocarbon may lead to cancer
- Inhalation of hydrocarbon causes irritation of respiratory tract.
- Methane creates narcotic effects on human beings
- Most of the hydrocarbon are carcinogenic to lungs



irritation of respiratory tract

# Database Photos

1. Wheezing & breathlessness
2. Wheezing apart from cold
3. Nocturnal attacks of shortness of breath
4. Chronic cough & phlegm
5. Lower respiratory tract symptoms

a

1. Psychological stress
2. Depression
3. Post-traumatic stress disorder
4. Elevated anxiety disorders

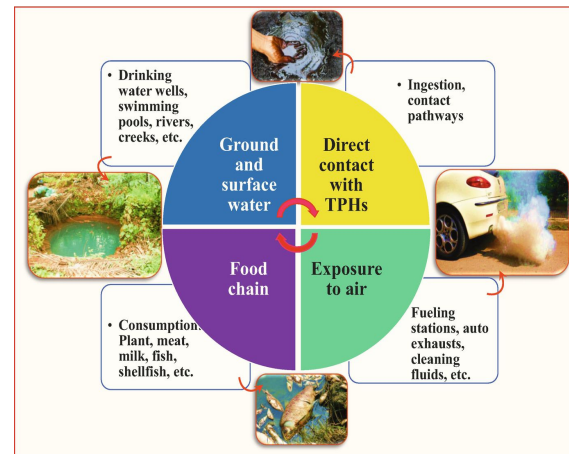
b

1. Elevated 8-isoprostane levels in exhaled breath condensate
2. Elevated levels of vascular endothelial growth factor
3. Elevated levels of basic fibroblast growth factor
4. Structural chromosomal alterations

c

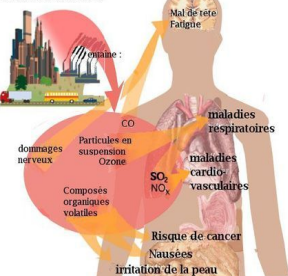
1. Skin and lung cancer
2. Reproductive toxic effects
3. Developmental toxic effects

d



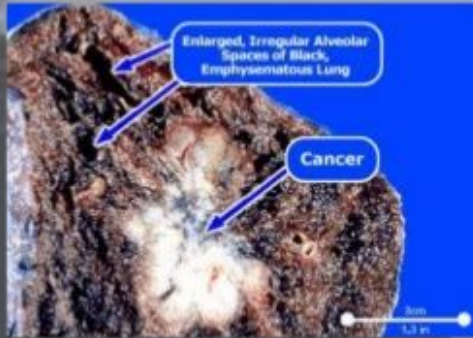
## Les effets de la pollution de l'air sur la santé

### La Pollution de l'air



# Hydrocarbon

- **Effects on human health.**–
- Aromatic hydrocarbon may lead to cancer
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irritation of respiratory tract