

# Functional Groups in Organic Chemistry

## Hydrocarbons



Alkane



Cycloalkane



Alkene



Alkyne



Aromatic  
(Arene)



\* Allene

Asterisks \* indicate that the group is less common, so you can skip them for Organic 1.

## Oxygen-containing



Alcohol



Ether



Epoxide



Peroxide

## Carbonyl (C=O) - containing



Aldehyde



Ketone



Carboxylic Acid



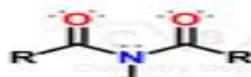
Ester



Acid (acyl)  
chloride



Anhydride



Imide



Cyanate

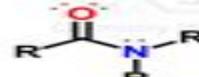


Isocyanate

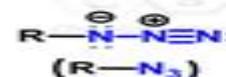
## Nitrogen-containing



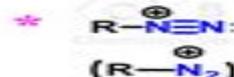
Amine



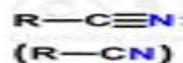
Amide



Azide



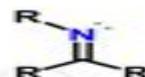
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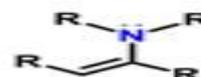
Nitrile



Nitro



Imine



Enamine

## Sulfur-containing



Thiol



Thioether



\* Thioester



\* Thiocyanate



\* Isothiocyanates

# Functional Groups Chemistry Answers

**Michael Rajnik**



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d une ville d un million d habitants pouvant être parcourue à pied istanbul est devenue une mégapole de plus de 5 000 km<sup>2</sup> a

vol d oiseau sainte sophie est distante de 34 km de büyükçekmece à l ouest de l agglomération et de 45 km de gebze à l est

de l agglomération hors de la province d istanbul