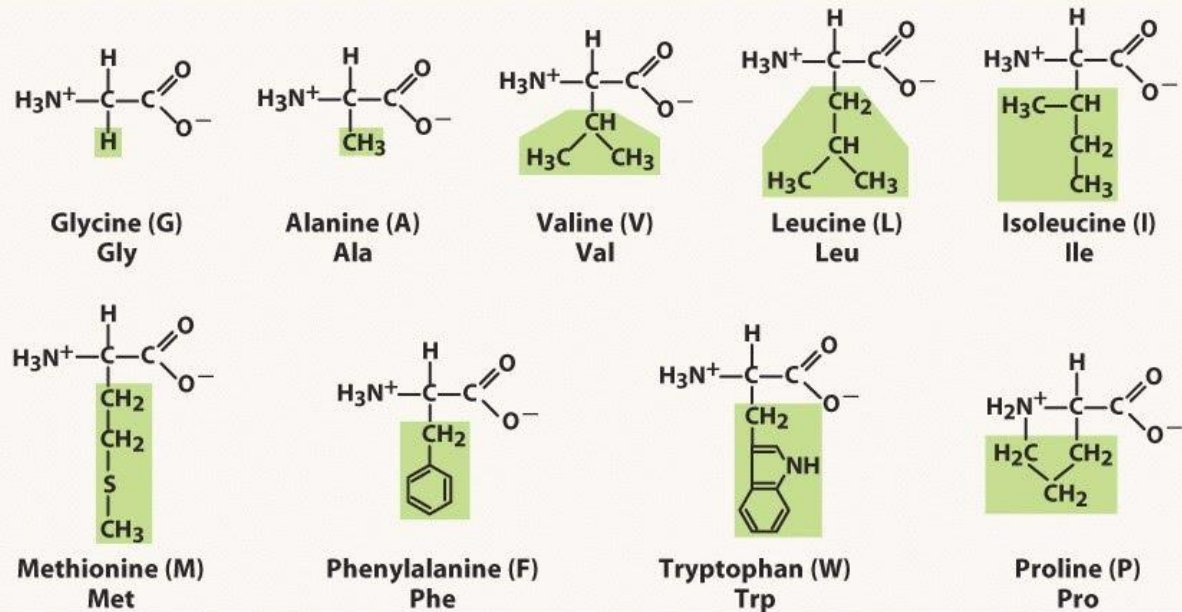


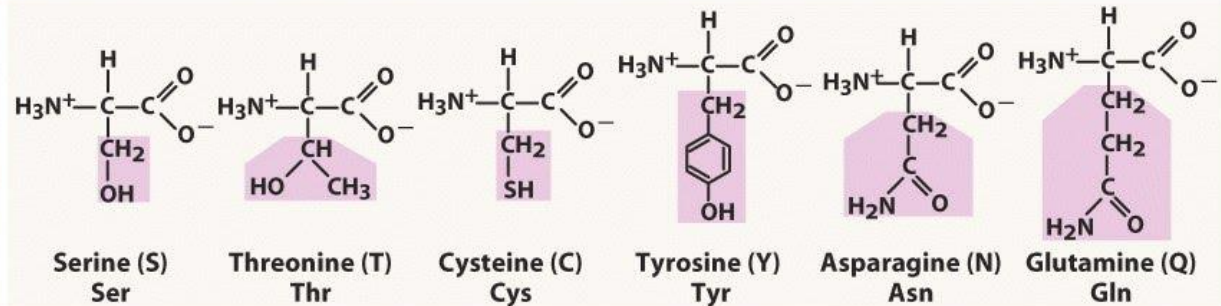
# Amino Acid Structures

# Amino Acids

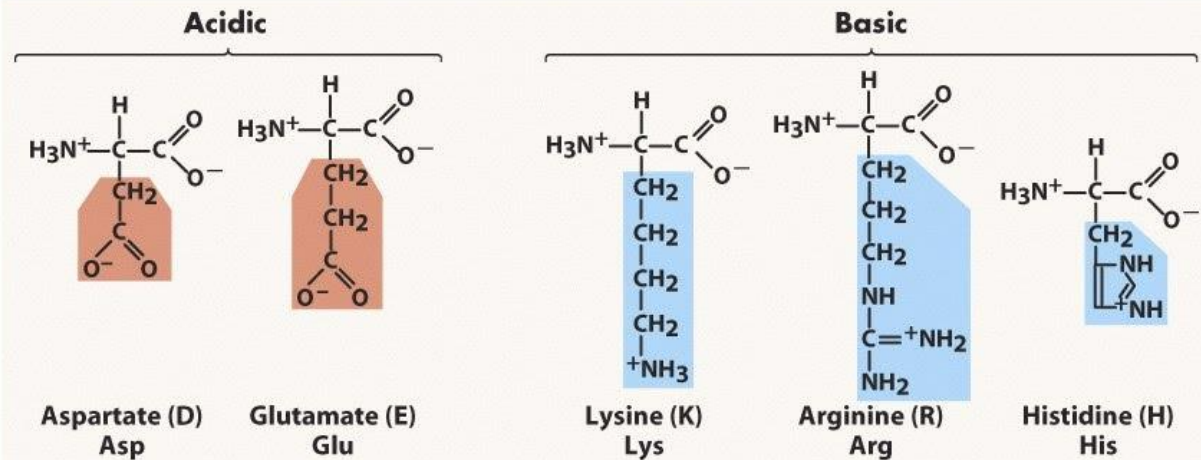
## Nonpolar side chains



## Polar side chains



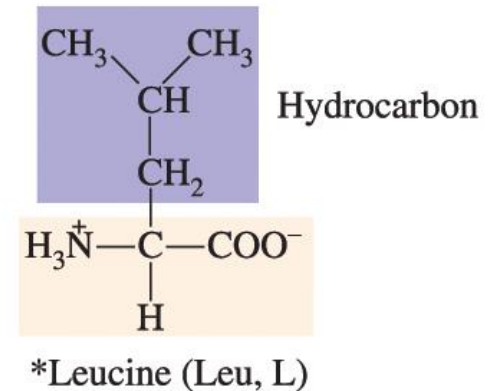
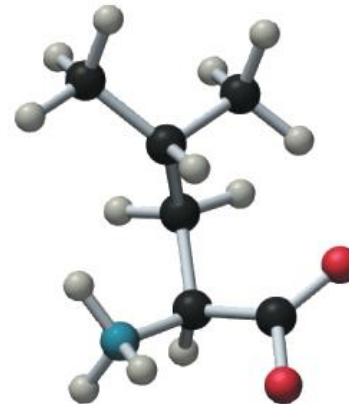
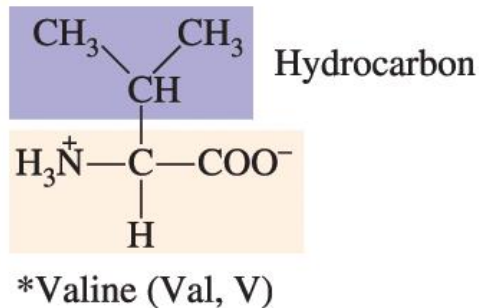
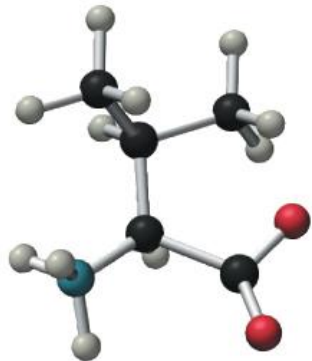
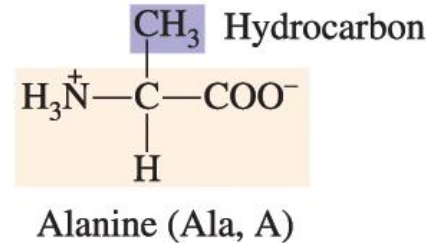
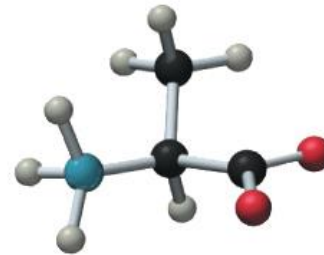
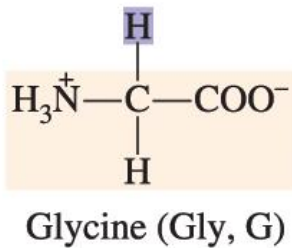
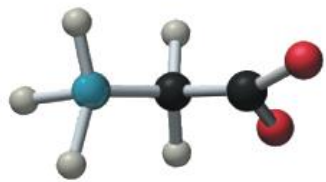
## Electrically charged side chains



# Amino Acids – Nonpolar

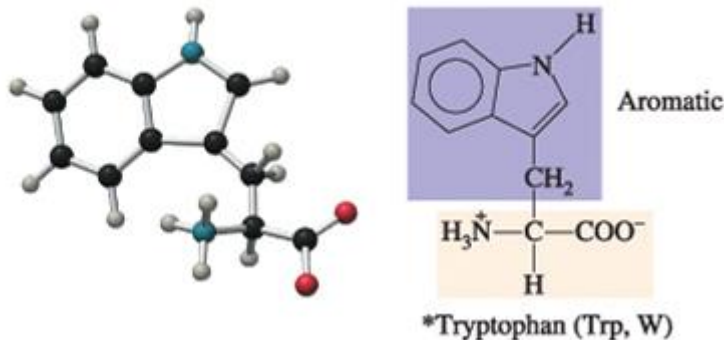
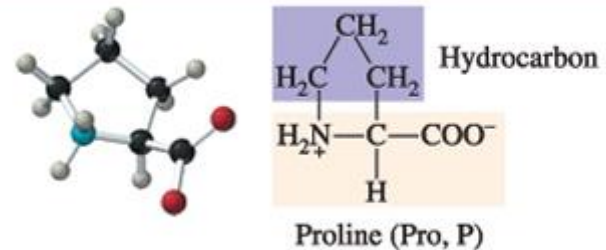
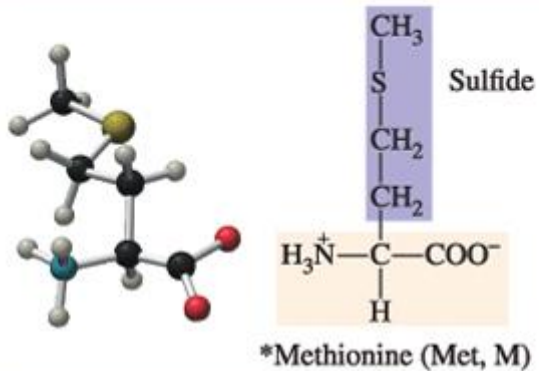
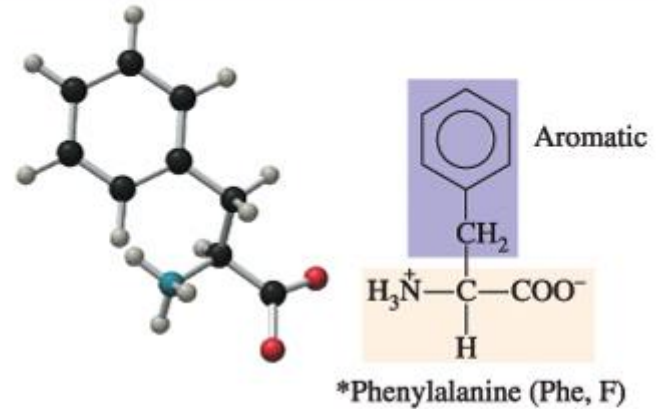
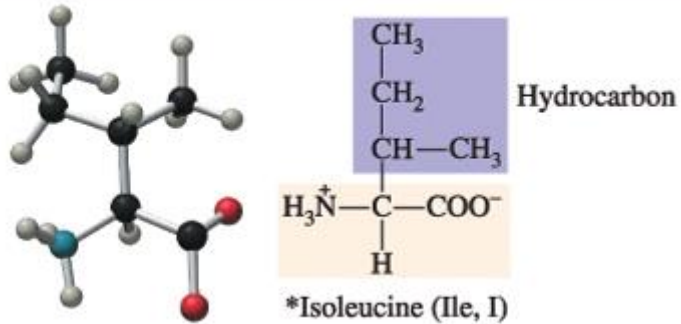
- Contains nonpolar side chains
- Hydrophobic

## Nonpolar Amino Acids



# Amino Acids – Nonpolar

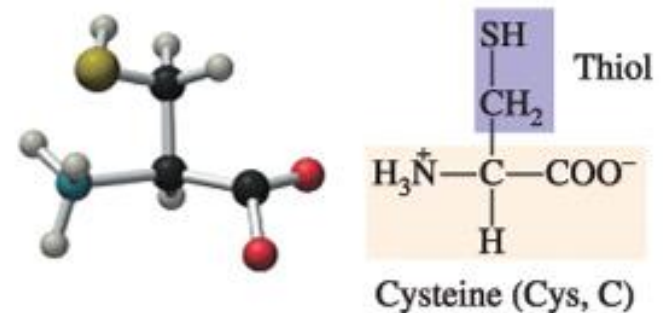
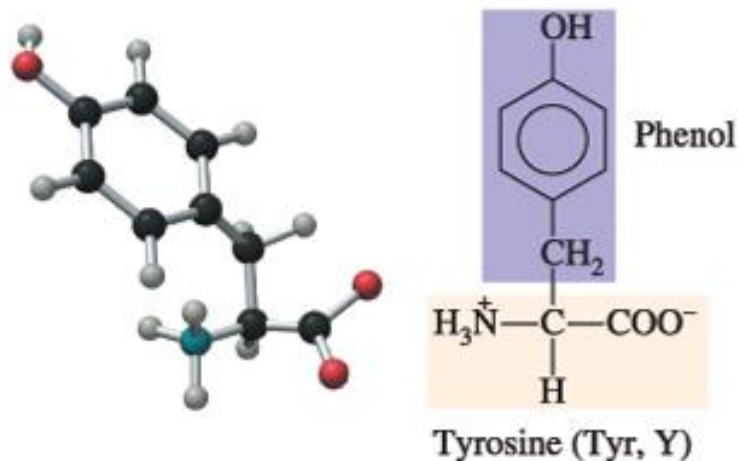
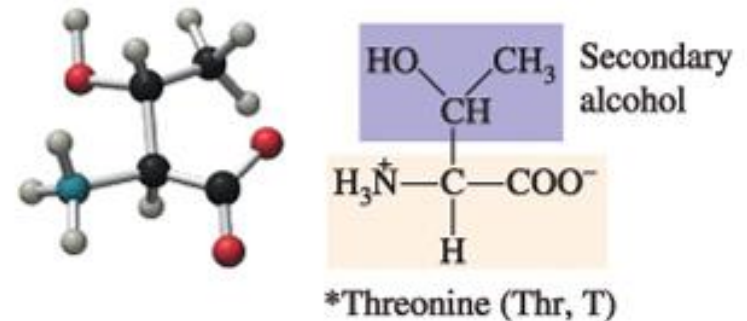
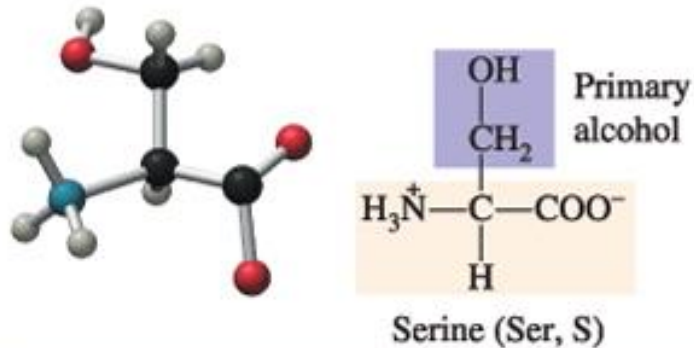
## Nonpolar Amino Acids



# Amino Acids – Polar

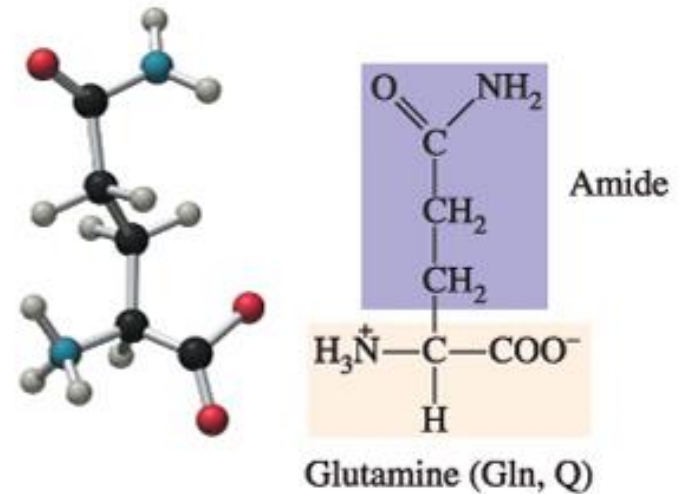
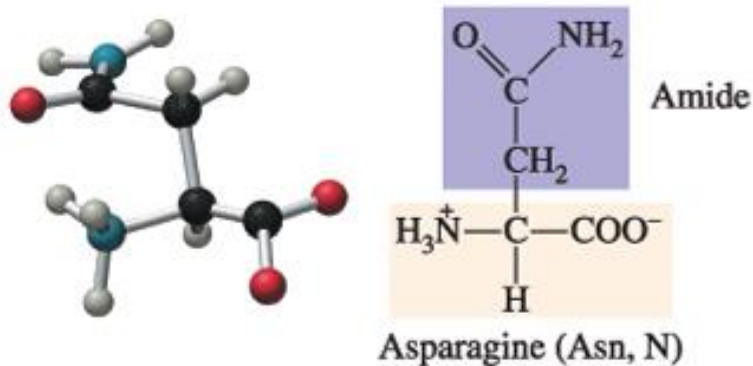
- Contains polar side chains
- Hydrophilic

## Polar Amino Acids (Neutral)

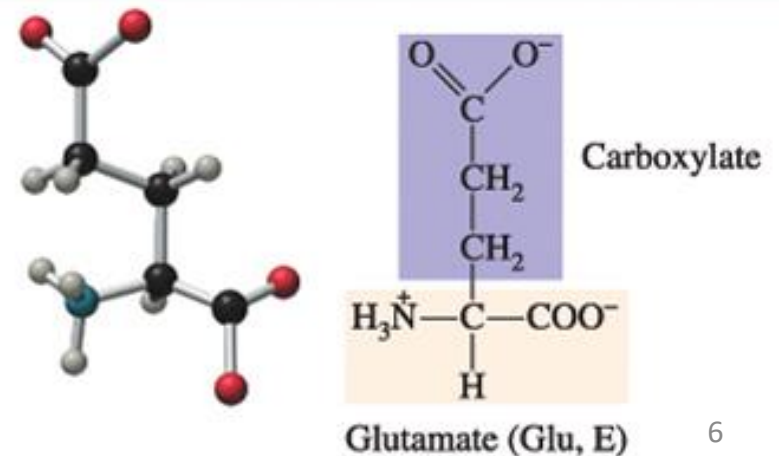


# Amino Acids – Polar

## Polar Amino Acids (Neutral)



## Polar Amino Acids (Acidic)



# Amino Acids – Polar

## Polar Amino Acids (Basic)

