**Proline** 

## Neutral Amino Acids - Polar (Hydrophilic) R Groups

- Tyrosine is Phenylalanine with an extra hydroxyl (-OH) group the deal.
- It is **polar** and very weakly acidic. Tyrosine card (2) are important catalytic role in the active site of some enzymes. Reversible phospholylation of -OH group in some enzymes is important in the regulation of metabolic of the active site of active site of active site of the active site of some enzymes is important in the regulation of metabolic of the active site of active site of active site of the active site of the active site of active site of

HO-CH2-CH-COOH NH2

Tyrosine

 Serine and Threonine play important role in enzymes which regulate phosphorylation and energy metabolism.

Serine Threonine