|  |  |  |  |
| --- | --- | --- | --- |
|  |  | POLARACIDIC, HYDROPHILICIMPORTANT IN ENERGY TRANSFERFound in: NUCLEOTIDES, ATP, PHOSPHOLIPIDS, |  ATP |
|  |  | POLAR HYDROPHILICWEAK ACIDFound in: CARBOXYLIC ACIDS FATTY ACIDS, AMINO ACIDS |   Acetic acid Amino acids |
|  |  | FORM DISULFIDE BRIDGESHELP STABILIZE TERTIARY STRUCTURE OF PROTEINS |  Cysteine  |
|  |  | POLARHYDROPHILICFound in : SUGARS/ ALCOHOLS,  FEW AMINO ACIDS |  Ethanol Glycerol |
|  |  | C=O IN MIDDLE OF  CARBON CHAINPOLARHYDROPHILIC |  |
|  |  | C = O AT END OF  CARBON CHAINPOLARHYDROPHILIC |  |
|  |  | NON-POLAR HYDROPHOBICMETHYLATION OF DNATURNS “TURNS GENES OFF” |  |
|  |  | POLARWEAK BASEHYDROPHILICFound in: AMINO ACIDS |    Amino acid Urea |

·  Each functional group behaves consistently from one organic molecule to another.
·  Number and arrangement of functional groups help give molecules their unique properties