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|  |  | POLAR  ACIDIC, HYDROPHILIC  IMPORTANT IN ENERGY TRANSFER  Found in:  NUCLEOTIDES, ATP, PHOSPHOLIPIDS, | ATP |
|  |  | POLAR HYDROPHILIC WEAK ACID Found in:  CARBOXYLIC ACIDS  FATTY ACIDS,  AMINO ACIDS | Acetic acid Amino acids |
|  |  | FORM DISULFIDE BRIDGES  HELP STABILIZE TERTIARY  STRUCTURE OF PROTEINS | Cysteine |
|  |  | POLAR HYDROPHILIC Found in :  SUGARS/ ALCOHOLS,   FEW AMINO ACIDS | Ethanol Glycerol |
|  |  | C=O IN MIDDLE OF   CARBON CHAIN  POLAR  HYDROPHILIC |  |
|  |  | C = O AT END OF   CARBON CHAIN  POLAR  HYDROPHILIC |  |
|  |  | NON-POLAR  HYDROPHOBIC  METHYLATION OF DNA TURNS “TURNS GENES OFF” |  |
|  |  | POLAR  WEAK BASE  HYDROPHILIC Found 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