

# BIOCHEM

# MEMORIZE

## → AMINO ACIDS

### acidic - very charged

aspartic acid **Asp/D**



glutamic acid **Glu/E**



### sulfur containing

cysteine **Cys/C**



methionine **Met/M**



## → CARBOHYDRATES

### monosaccharides

① 6C

glucose



fructose



galactose



② 5C

ribose



deoxyribose



### highest - smallest - most polar basic - very charged

lysine **Lys/K**



arginine **Arg/R**



histidine **His/H**



### hydrophobic - aliphatic → aromatic

glycine **Gly/G**



alanine **Ala/A**



valine **Val/V**



leucine **Leu/L**



isoleucine **Ile/I**



phenylalanine **Phe/F**



tryptophan **Try/W**



### polar amino acids

serine **Ser/S**



threonine **Thr/T**



tyrosine **Tyr/Y**



asparagine **Asn/N**



glutamine **Gln/Q**



### unique

proline **Pro/P**



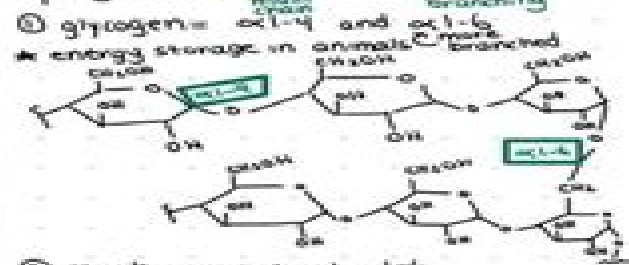
### disaccharides

① maltose = glucose + glucose  
reducing α-1-4

② sucrose = glucose + fructose  
non-reducing 1-2

③ lactose = glucose + galactose  
reducing β-1-4

### polysaccharides



② starch = α-1-4 and α-1-6  
★ energy storage in plants

③ cellulose = β bonds  
★ cell walls in plants

# Biochem

**Harold Hanson Mitchell, Tom Sherman  
Hamilton**

**Biochem :**

## **Biochem** Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the energy of words has be evident than ever. They have the ability to inspire, provoke, and ignite change. Such may be the essence of the book **Biochem** , a literary masterpiece that delves deep in to the significance of words and their impact on our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall impact on readers.

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