



Academy Of Health Sciences, Lodhran

Carbohydrates

1. Define Carbohydrates?

2. What are Monosaccharides and their types?

| | Triose | Tetrose | Pentose | Hexose | Heptose |
|--------|--------|---------|---------|--------|---------|
| Aldose | | | | | |
| Ketose | | | | | |

3. What are Disaccharides?

Lactose=

Maltose =

Sucrose =

4. What are Polysaccharides?

- a. Heteropolysaccharides
- b. Homopolysaccharides
 - i. Glycogen
 - ii. Starch
 - iii. Cellulose

5. What are different types of bonds present in carbohydrates?

- a. α -1,4 linkage
- b. β -1,4 linkage
- c. 1,6 linkage





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6. What are the different types of isomers present in Monosaccharides?

| | |
|------------------------|--|
| Enantiomers | |
| | |
| Epimers | |
| | |
| Optical isomers | |
| | |
| Anomers | |
| | |

7. What is the importance of carbohydrates in our body?