

Name: _____

Q.1 What is Metabolism? _____
_____ (3)

Q.2 Name the 4 elements found in Proteins.
_____ (4)

Q.3 Biomolecules in the form $C_x(H_{20})_y$ are examples of
_____ (3)

Q.4 Identify the following as monosaccharides, disaccharides or polysaccharides:

Glycogen, Glucose, Starch, Fructose, Sucrose,

Monosaccharides: _____

Disaccharides: _____

Polysaccharides: _____

(15)

Q.5 State one reason your body needs protein.
_____ (3)

Q.6 What is the difference between Fats and Oils?

_____ (3)

Q.7 Triglycerides are composed of _____ and 3 _____ (6)

Q.8 Fill in the table below about a Water-Soluble Vitamin (10)

Water-Soluble Vitamin	
Food Source for Vitamin	
Metabolic Function	
Name a deficiency disease	
Common symptom of this disease	

Q.9 Name 2 functions of water in the body.

_____ (6)

Q.10 (i) Give an example of a carbohydrate that has a structural role.

(ii) Where would you find this in a living organism?

(i) _____ (3)

(ii) _____ (3)

Q.11 Proteins are made of simpler substances; Name these substances.

_____ (3)

Q.12 Answer the following in relation to a test for,

Food to be Tested	Reducing Sugar (Glucose)	Protein	Starch
Reagents Used			
Colour Change			
Is Heat Required?			

(18)

Q.13

In the case of any **five** of the following pairs of terms, clearly distinguish between the first term and second term by writing a brief sentence about each.

(a) Starch. _____

Glucose. _____

(b) Amino acids. _____

Proteins. _____

(c) Cellulose. _____

Keratin. _____

(e) Biuret test. _____

Benedict's (Fehling's) test. _____

(f) Fats. _____

Oils. _____

(20)