

Work sheet (1)

(1) In the chloroplasts during the photosynthesis process, a large number of glucose Molecules is produced and stored through a process called.....

(A) Hydrolysis.

(b) Reduction.

(c) Polymerization.

(d) Oxidation.

2-The monosaccharaides contain.....

(a) 3 :6hydrogen atoms: 3 Oxygen atoms.

(b) 3:6Oxygenatoms.

(c) 6:12 carbon atoms.

(D) 3:6hydrogen atoms.

1- If you know that the number of hydrogen atoms in monosaccharide is (X),the number of Carbon atoms equals.....

(a) x

(b) x2

(c) 2X

(d) 3X

2- The number of oxygen atoms in ribose sugar is.....

(a) 6

(b) 10

(c) 12

(d) 5

3- On the hydrolysis of 3 sucrose molecules, are produced.....

(A) 6 molecules of grape sugar

(b) 3 molecules of grape sugar and 3 molecules of fruit sugar

(c) 3 molecules of grape sugar and 3 molecules of cane sugar

(D) 3 molecules of grape sugar and 3 molecules of malt sugar

4- On the hydrolysis of 20 molecules of maltose sugar, 10 molecules of lactose sugar and 10 molecules of sucrose sugar. So, the total number of glucose, fructose and galactosels respectively.....

(A) 20/30 / 10

(b) 60 / 10/10

(c) 40 / 20 / 10

(d) 50/ 10 /30

5- After the digestion of bread, the excess of the human body need is stored in the form Of.....

(a) Glucose.

(b) Starch.

(c) Cellulose.

(d) Glycogen.

1-Mention the name of the molecule that results from the combination of grape sugar molecule with

- (a) A molecule of fruit sugar
- (b) A molecule of grape sugar

2-what are the similarities and differences between: glycogen and galactose?

3-give an example for each of the following

- (a) A substance gives a positive result with benedict's reagent and negative result with iodine solution
- (b) A substance gives a positive result with iodine solution and negative result with benedict's reagent

4-compare between glucose sugar and sucrose sugar?

5-each of the starch and glycogen is considered a polymer of galactose sugar

How far the statement is correct?

(Y) is stored in an organ of body

(z) Enters in the structure of milk

(L) Is detected by using iodine

Compound (x)

6-Mention the letter and the name of compound that represent each of the following:

- (a) Plant polymer
- (b) Animal polymer
- (c) Disaccharide
- (d) Monosaccharaides

7-mention the chemical formula of starch?

8-in the opposite figure the compound (x) is.....

