

Plants and Fungi



Glucose

Glucose	Monosaccharide
Fructose	Monosaccharide (fruit sugar) - a hexose monosaccharide and primary component of honey. Fructose is sweeter than sucrose and glucose.
Galactose	An important form of disaccharide. Fructose being present in lactose (milk sugar) and galactose being present in lactulose.
Polysaccharides	A long chain of monosaccharides linked together. Starch and glycogen are polysaccharides composed of glucose monosaccharides.
Cellulose	A long polysaccharide chain. The repeating monosaccharide is the glucose monosaccharide.
Starch	Polysaccharide composed of repeating unit of glucose monosaccharide. It is composed of amylose and amylopectin.
Glycogen	A long chain polysaccharide composed of glucose.
Disaccharides	Two monosaccharides linked by chemical bonds. Sucrose being composed of glucose and fructose.
Lactose	A disaccharide composed of one unit of glucose and one unit of galactose.
Maltose	A disaccharide composed of two units of glucose.
Polysaccharides	A long chain polysaccharide composed of repeating unit of glucose monosaccharide.
Starch	Polysaccharide composed of repeating unit of glucose monosaccharide. It is composed of amylose and amylopectin.
Glycogen	A long chain polysaccharide composed of repeating unit of glucose monosaccharide.
Cellulose	A long chain polysaccharide composed of repeating unit of glucose monosaccharide.

Objective

For this purpose, you will perform an experiment with glucose and fructose in plants and fungi.

Fungi

Some fungi are harmful to humans, others are helpful. Fungi are eukaryotic organisms that lack chloroplasts and are unicellular. They grow in plants, particularly in the roots of vascular plants. They also live in soil, water, and other environments.

Characteristics of Fungi

Cellular Structure

- Fungi are eukaryotic organisms, which means they have a nucleus (nucleus).
- Fungi are unicellular, which means they are single-celled.

Fungi Guided And Study Answers

William Delisle Hay



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web a fluid container sealed by a piston is open c in this case an external axial force f_a is mandatory for equilibrium of the overall piston and cylinder assembly a bicycle pump is a common example if a_i is the internal circular area then a free body of either piston or cylinder end c must have $f_a p_i a_i$ and there is no need for axial wall stresses to

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