Joined together by:

Dehydration Synthesis

Broken down by:

Hydrolysis

They each have…

Different structural formulas

Galactose

Fructose

Glucose

Examples

***Monosaccharide (monomer)***

General Formula:

CnH2nOn

Examples:

1. Glycogen

* Energy storage in liver and muscle cell in animals; highly branched chains of glucose.

1. Starch

* Energy storage in plants; slightly branched chains of glucose.

1. Cellulose

* Provides Structural support in the cell walls of plants; straight chain of glucose molecules.

Examples:

Lactose (milk sugar)

Sucrose (table sugar)

Maltose (glucose dimer)

***Polysaccharides***

Consist of:

3+ Monosaccharides

***Disaccharides***

Consist of:

2 Monosaccharides

**CARBOHYDRATES**