Carbohydrates

The major dietary carbohydrate of animal origin is lactose

Nutrient	How many in calories
1g carbohydrates	4 kcal
1g proteins	4 kcal
1g fats	9 kcal

Classification of carbs

Monosaccharide's	Oligosaccharides - Polysaccharides	
Simple sugars	2-10 Monosaccharide's by	Polymers of
	a glycosidic bond	<mark>Monosaccharide's</mark>
Formula : (CH2O) n	Most abundant :	Can be branched:
	disaccharides	glycogen
Cannot be broken down	Ose : for di & mono	Can be linear : cellulose

Disaccharides

My crazy aunt is telling lies, silly

<u>Maltose</u>	2 glucose bonded by a 1,4 // origin : starch
	hydrolysis
Cellobiose	2 glucose bonded by B 1,4 // origin : cellulose
	hydrolysis
<u>Isomaltose</u>	2 glucose bonded by a 1,6 // origin : dextran
	hydrolysis
<u>Trehalose</u>	2 glucose bonded by a 1,1
Lactose	Milk sugar Composed of Galactose & Glucose
	joined by <mark>(β-1, 4)</mark> link.
Sucrose	Table sugar Composed of (glucose-α-1,2-
	fructose) obtained from cane or beet

Polysaccharides: 2 forms

Amylose	Amylopectin
%20	%80
Straight chains a 1,4	(branched) the α-1,4 chains contain branches
	connected via α-1,6 glycosidic bonds

