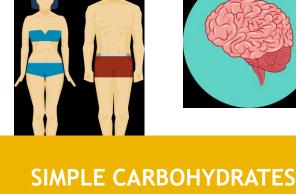
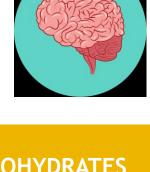
WHAT ARE CARBOHYDRATES?

level, they contain carbon, hydrogen and oxygen Unlike essential amino acids and fatty acids, there are no essential carbohydrates. This means we can obtain everything we need nutritionally from other food sources,

They are called carbohydrates because, at the chemical

so carbs are not necessary to maintain life.





These are the smallest and simplest type of carbohydrates, known as mono- and disaccharides, meaning and they contain only one or two subunits of sugar. These type of carbs are quickly absorbed in the small intestine, resulting in a spike in blood sugar and a boost of energy.

Common sources:



Cereals



COMPLEX CARBOHYDRATES

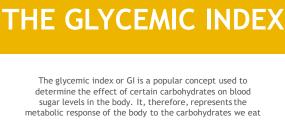
Sodas

carbs take longer for the body to be broken down. The slower digestion means that there is no rapid spike in blood sugar, and the energy release is prolonged. Common source

Complex carbohydrates, are called polysaccharides since they have more than two subunits of sugar linked together. These types of

Whole grain bread & pasta Vegetable

Fruits



and is classified into 3 groups:

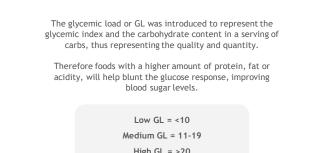


High GI foods = 70 or greater Foods that have a low GI do not raise blood glucose levels as

much, nor as fast as foods that have a high GI.

Low GI foods = <55 GI value Medium GI foods = 56 - 69 GI value

THE GLYCEMIC LOAD





THE ROLE OF **CARBOHYDRATES**

Although not essential in the diet, carbohydrates can have some critical functions to play:

The primary source of energy for the body and

2. Protein sparing and prevents ketosis Facilitates the body's metabolism of fat 4. Source of B vitamins for cholesterol metabolism

brain

People who are physically active and have more muscle mass can tolerate a

lot more carbohydrates than those who are sedentary. Metabolic health is also a significant factor, as, for those with metabolic syndrome, obesity or type II diabetes, the rules change significantly.

CARBOHYDRATE REQUIREMENTS

CARBOHYDRATE REQUIREMENTS **FOR FAT LOSS**

High Carb Diet - 200g+ per day

Some people do very well on a higher carb diet, eating even up to 300-400g per day while still losing body fat. Most are not so lucky, and those who can, usually follow into the same category - young, lean, active lifestyle and metabolically efficient. Moderate Carb Diet - 100-200g per day This is a very common daily carb range for the majority of active and healthy people looking to loose body fat. This still allows for some starch in the diet, yet limits the amount quite significantly.



This can be described as a ketogenic diet - one in which no starchy carbs (or very little) are consumed daily. This is when the body is forced to use fat for energy.









