



Starch is a complex carbohydrate made up of many glucose molecules linked together. Starch takes longer to be broken down into glucose, providing a more sustained release of energy. Starch is commonly found in low-GI foods, such as whole grains, legumes, and starchy vegetables. These foods take longer to digest and provide a steady source of energy over a longer period, making them a good choice for maintaining stable blood sugar levels and making you feel full for longer.

[illegible]

On food packaging, you can usually find information about the total amount of carbohydrates in the product and the amount of sugar and fibre. However, it may be more difficult to determine the specific type of carbohydrate present in the food, such as whether it is a simple sugar or a complex carbohydrate.

One way to get a general idea of the type of carbohydrate present in a food is to look at its glycaemic index (GI). Foods with a high GI are typically higher in simple sugars while foods with a low GI are usually higher in complex carbohydrates. However, the GI of a food can also be affected by other factors, such as the amount of fibre or fat it contains, so it is not always a perfect indicator of the type of carbohydrate present.

You may need to consult the nutrition facts label or ingredient list to get a more detailed breakdown of the types of carbohydrates in a portion of food. The nutrition facts label will usually provide information about the total amount of carbohydrates as well as the amount of sugar and fibre. The ingredient list can also give you a clue about the types of carbohydrates present as ingredients like sugar, high fructose corn syrup, and white flour are generally higher in simple sugars. In comparison, ingredients like whole grains, vegetables, and legumes are higher in complex carbohydrates.

It's important to consume various carbohydrates, including glucose, sugar, and starch as part of a balanced diet. However, it's also important to be aware of the amount and type of carbohydrates we consume to maintain a healthy lifestyle.

EXERCISES

1. Match the term in the left column with its correct description from the text.

1. Glucose	A. A complex carbohydrate made of many linked glucose molecules.
2. Sucrose	B. A simple sugar and the primary energy source for cells.
3. Starch	C. Another name for common sugar, made of glucose and fructose.
4. Glycaemic Index	D. Ingredients like sugar or white flour that digest quickly.
5. Simple Sugars	E. A tool used to get a general idea of the type of carbohydrate in food.

2. Decide if the following statements are *True or False* based on the reading.

1. Starch provides a faster energy burst than glucose.
2. Fiber and fat can influence the Glycaemic Index (GI) of a food.
3. The ingredient list is a better place to find specific carbohydrate types than the total carbohydrate line on a label.
4. Low-GI foods help you feel full for a longer period.
5. Our bodies only need complex carbohydrates to be healthy.

3. Fill in the blanks using the words in the box.

Sustained | Rapid | Absorbed | Processed | Stable

1. When you drink soda, there is a _____ rise in your blood sugar.
2. Starch provides a _____ release of energy that lasts a long time.
3. Eating whole grains helps keep your blood sugar levels _____.

4. Glucose is quickly _____ into the bloodstream.
5. Many _____ foods, like sweets, contain high amounts of sugar.

4. Unscramble the words to create a correct sentence from the text.

1. energy / cells / is / primary / glucose / source / for / the

2. and / sugar / fructose / made / is / glucose / of

3. longer / to / starch / digest / takes

4. glycemic / look / the / at / food / index / of / a

5. vegetables / grains / and / complex / higher / are / in / whole / carbohydrates

5. Choose the correct answer:

1. What is the main job of glucose in our bodies?
 - A) To make food taste like honey.
 - B) To be the primary source of energy for cells.
 - C) To make us feel full for a long time.
2. Which of these is another name for "sucrose"?
 - A) Starch
 - B) Fibre
 - C) Sugar
3. What happens to your blood sugar when you eat "simple sugars"?
 - A) It stays exactly the same.
 - B) It rises very quickly (a rapid rise).
 - C) It drops immediately.
4. Why are whole grains and vegetables considered good choices?
 - A) They provide a steady source of energy over a longer period.
 - B) They are very high in simple sugars.
 - C) They are absorbed into the blood faster than sweets.
5. What is a possible risk of eating too much sugar?
 - A) It makes your blood sugar levels too stable.
 - B) It helps you maintain a healthy lifestyle.
 - C) It increases the risk of type 2 diabetes.

