





ন কেয়ার









Nutritional ingredients are the ingredients that are the quality of everyday food that ensures the strength and growth of the body, develops merit and intelligence,

Nutrition and Nutrition value

prevents disease. The nutrition helps people to recover from the disease and makes people work.

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Carbohydrate (complex

✓ Rice, bread, shrimp, bread etc.

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CEHN Ob Glucose fructose and galactose are the three most common carbs.

C1-9)+

June Contraction ✓ Glucose is carried into our bloodstream and is very essential for the body.

✓ Sugar is the disaccharide.

Rice bread are called polysaccharides. Saccarude nord

JID

24/4/ Jagan Sugar Two-Sugar

A Béllisaccar

Carbohydrate

✓1 gram of carbs can produce 4 k.calories of heat.

 \checkmark The body contains 300-400 grams of carbs, which is to produce 1200-1600 kilocalories.

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An adult male person need : (body weight * 4.6)gm of carbohydrates

✓ We should take 60-70% of the daily demand of the calories from the carbohydrates.







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Easily digestible quotient

The proteins which are cent percent absorbed in the body and enhance the growth and repair has the easily digestible quotient of 1.

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If this is not done the Easily digestible quotient has to be less than 1.

The Easily digestible quotient of breast milk and egg is 1













Eczema Disease of Children





Calorie and Work Energy of Food

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In our body energy is spent in two ways,

1. Internal work of the body-Basal metabolism

2.Physical work

We get the energy from food in calories. 1 k.Cal is of 1000 calories.

The demand for our body's energy is expressed in the kilocalories.

The demand for calories depends mainly on age, body height and weight. Besides, demand is also varying in terms of occupation and gender.



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Vitamins are of two types: Vipid soluble - vitamin A,D,E,K Water soluble- Vitamin B,C



Sources of vitamins : green leaves of trees, small leaves, yellow and green vegetables, fruits and seeds etc.

Vitamins









Deficiency Related Diseases











Xeropthalmia Science Chapter 13 : Foof & Nutrition











// Deficiency Related Diseases- Scurvy







It is found abundant in edible oils, milk and milk products, fish and sea fish, fish oil, egg yolks, ghee, butter and fats and Hilsha fish. Gmall Inst-

itamin D

Functions-

1.formation of bones and teeth structure 2.Calcium absorption in the intestine 3.Control the levels of calcium and phosphorus in the blood.











Edible oil is the best source of it. Food grains, liver, Fats of fish and meat contain

Vitamin E



It is needed for cell production and cell division.

It takes parts in some metabolic activities of the body.

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Vitamin K- for Blood clotting








Deficiency Related Diseases- Goiter

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Deficiency Related Diseases- Anemia Iron is the constituent elements of hemoglobin of RBC. The disease can be caused by the lack of iron of the pregnant mother. People with iron deficiency mat experience this disease. y0 As a result-Weakness, headache, and nausea. Unusually rapid palpitation. Loss of weight and appetite. Dizziness and hard breathing particularly even with light work.

প্রিম্বার মিক এন্ড এডমিশন কেয়ার

• The other name of the water is life. 60-70 percent of the body is made with water.

Water

- All the body's bones, skin, teeth need water.
- No actions in the human body will be performed without water.
- The body is filled with water, and we eliminate wastes with water -like urine and sweat.

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So, you should drink daily 3 liters of water.





ত্র্বি একাডেমিক এন্ড এডমিশন কেয়ার 🗕

Balanced or ideal food

Meet the 6 ingredients in every meal

Should be Provided Depending on age, gender and workload.

40% from lipids.

Food Selection

Balanced food meets the body's calorie requirement, controls the growth and

structure of tissue cells, controls all body functions and activities.



Poll Question-01

- > What is glucose?
 - (a) Carbohydrate
 - (b) Protein
 - (c) Fat
 - (d) Vitamin





How much calories we get from 1gm of Carbs?

(a) 3

(b) 4

(c) 5

(d) 6



Poll Question-03

- > What is the complex form of amino acids?
 - (a) Carbohydrate
 - (b) Protein*
 - (c) Lipid
 - (d) Carbs





- Deficiency of which food is the reason of kwashiorkor?
 - (a) Carbohydrate
 - (b) Proteins
 - (c) Minerals
 - (d) Vitamins





- There are how many types of Fatty acids?
 - (a) 2
 - (b) 4
 - (c) 6
 - (d) 8





- Which vitamin is abundant in Mola and Dhela fish?
 - (a) Vitamin A
 - (b) Vitamin B
 - (c) Vitamin D
 - (d)Vitamin E





- > Which one maintains the heat of human body?
 - (a) Carbohydrate
 - (b) Proteins
 - (c) Minerals
 - (d) Water





- How many ways we spent our energies?
 - (a) 1

(b) 2

(c) 3

(d) 4







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