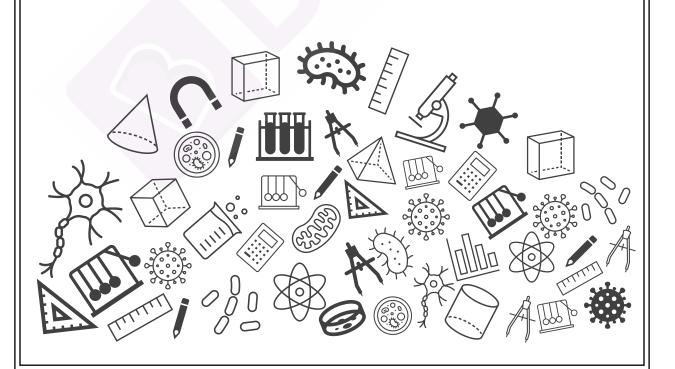


Grade 06 Chapter Notes



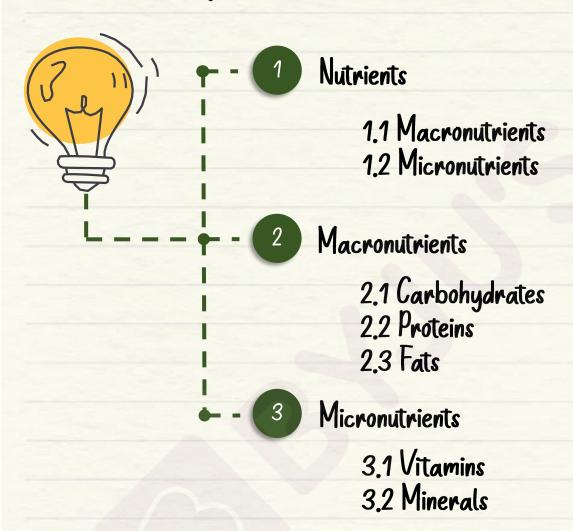


Components of Food





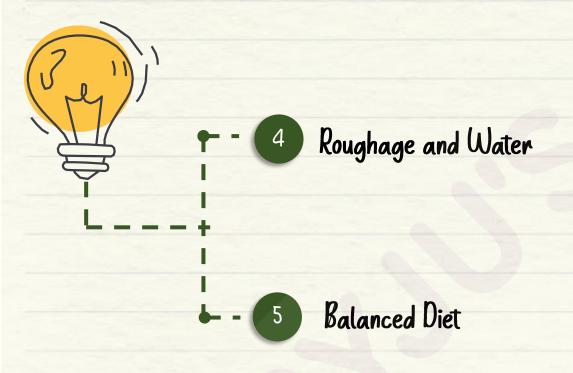
Topics to be covered







Topics to be covered







1. Nutrients

Definition

Nutrients are components of food that provide energy for the growth, functioning and maintenance of the body.

1.1 Macronutrients

Nutrients that are required in larger quantities by the body.

- 1. Carbohydrates
- 2. Proteins
- 3. Fats

1.2 Micronutrients

Nutrients that are required in smaller quantities by the body.

- 1. Vitamins
- 2. Minerals



2.1 Carbohydrates

Sources and Functions



Maize



Bread

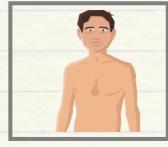


Rice

Functions:

- Provide energy to our body
- Help to sleep better
- · Help to prevent diseases
- · Help to improve memory

Effect of Deficiency of Carbohydrates



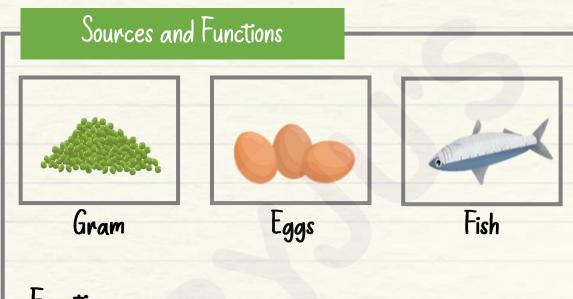
Weak body



Lethargy



2.1 Proteins



Functions:

- Help in maintaining proper functioning of the body
- · Help in building the muscle mass
- Help to prevent various diseases

Effect of Deficiency of Proteins Stunted growth Discoloration of hair Diarrhoea



2.3 Fats

Sources and Functions



Groundnut



Butter



Oil

Functions:

- Help us to store energy for future use
- Act as a protective barrier against injuries
- · Work as an insulator and thus, maintains body temperature

Effect of Deficiency of Fats

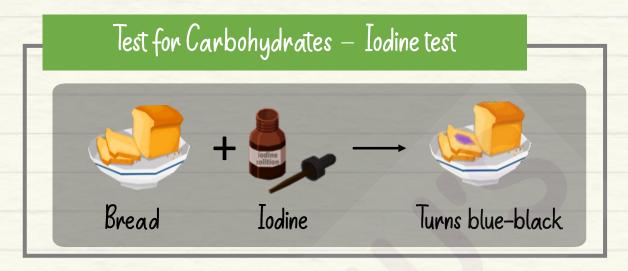


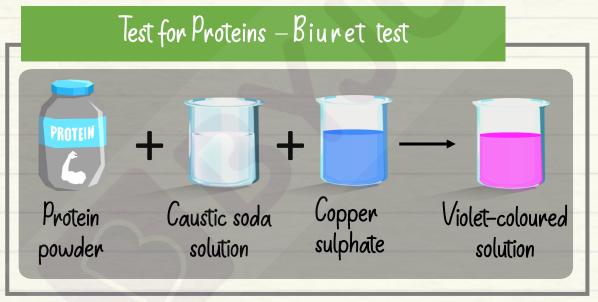
Dry Skin

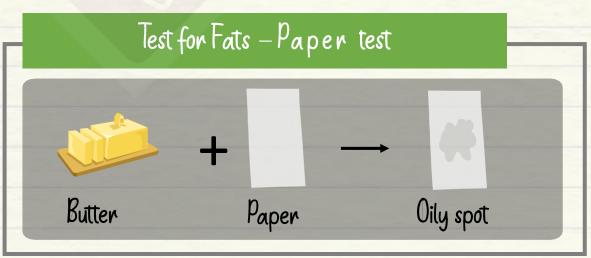


Hair fall











3.1 Vitamins

Types

Vitamin A

Vitamin B

Vitamin C

Vitamin D

Sources



Carrots, spinach, milk, etc.



Crabs, fish, cheese, etc.



Citrus fruits, papaya, etc.



Cheese, eggs, butter, etc.



Types

Vitamin A

Vitamin B

Vitamin C

Vitamin D

Functions

Important for healthy skin and eyes.

Helps in growth and preventing infections

Helps body to fight against many diseases

Helps our body to use calcium for bones and teeth. Deficiency Diseases



Night Blindness Blurred vision in low light



Beri-Beri Weak muscles and low energy



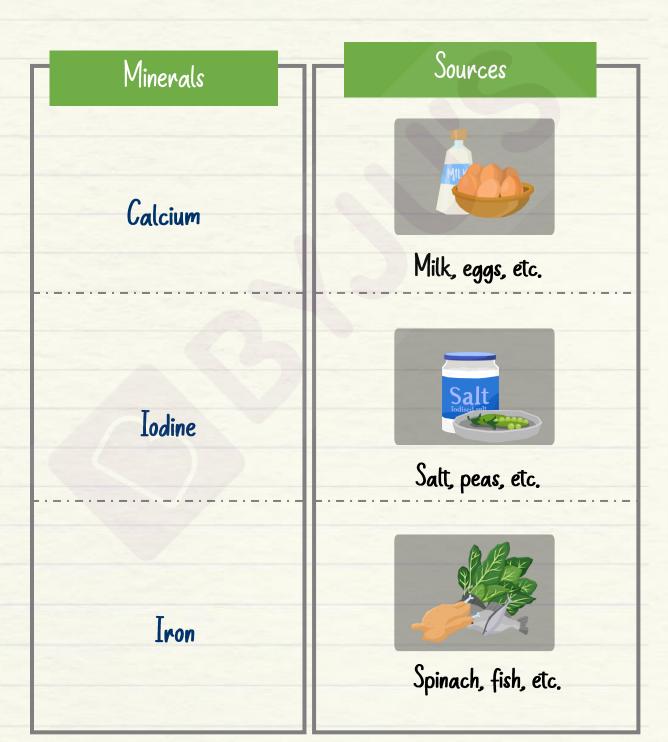
Scurvy Bleeding gums



Rickets Bones become soft and weak?



3.2 Minerals





Types

Functions

Deficiency Diseases

Calcium

Strengthening bones and teeth

Weak bones & teeth

Iodine

Ensures proper functioning of thyroid



Goitre

Iron

Essential for blood production



Anaemia

4



1. Roughage and Water

4.1 Sources and Functions

- Roughage is mainly provided by plant products in our foods.
- Roughage and water does not provide any nutrient to our body, but are an essential components of our food

Roughage



Leafy vegetables, potatoes, fruits and wheat products.



Fruits, cucumbers, and tomatoes.

Function

Helps in the removal of undigested food.

Helps in the absorption of nutrients and the removal of wastes.



5. Balanced Diet

Definition

- Balanced diet consists of all the components of food in proper proportion for each meal.
- Not having balanced diet can lead to deficiency diseases, obesity, etc.

Carbohydrates (25%)



Vegetables and fruits (40%)

Proteins (25%)

Fats (10%)



Fun Facts

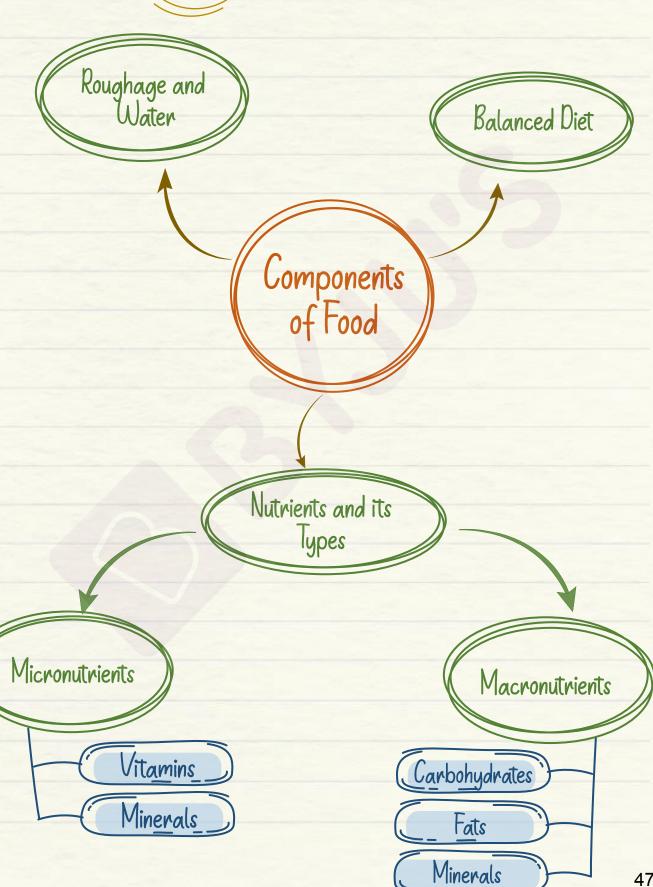




 Overcooking and excessive washing of vegetables lead to loss of nutrients.



Mind Map



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