

ABC's of Vitamins

You take a vitamin tablet in the morning. Someone says eat your fruit and vegetables because they have vitamins. What's so important about vitamins? While they do not provide energy like protein from meat and sugar from breads, they do help to convert this energy into the energy your body uses.

Since our bodies can't make vitamins we need to get them from the food we eat. There are 11 vitamins we need to get from the foods we eat.

Four of these vitamins dissolve in fat (are fat soluble). They are found in foods that contain fat and are stored in fat in our body - vitamins A, D, E, and K.

Seven of these vitamins dissolve in water (are water soluble). They are not stored in our body. The seven vitamins are B vitamins that include thiamin, riboflavin, niacin, folate, B6, B12 and vitamin C.

Fat Soluble Vitamins

Vitamin A

- discovered in 1913

What it does

- helps with eyesight
- keeps skin healthy
- helps with growth of body organs (like bones)

Foods

- liver, fish, milk, butter, eggs, carrots

Deficiency problems

- night blindness, poor growth, dry skin



Vitamin D

- made in the skin by the sun

What it does

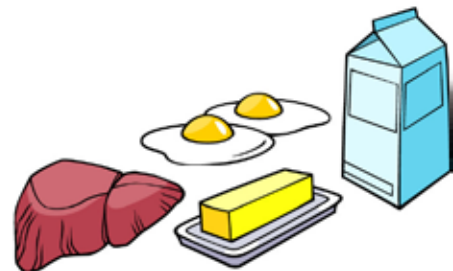
- helps bones grow strong

Foods

- liver, egg yolks, milk, butter

Deficiency problems

- rickets (deformed bones), weak bones



Vitamin E

- called the antiaging vitamin

What it does

- protects lungs against pollution damage
- helps keep heart healthy
- may help protect against cancer

Foods

- sweet potatoes, peanut butter, sunflower seeds, spinach, nuts

Deficiency problems

- nerve destruction, red blood cell destruction



Vitamin K

- made by bacteria in our intestines

What it does

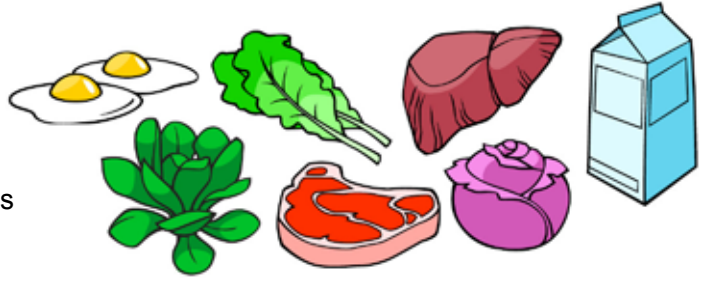
- helps make blood clot
- helps keep bones healthy

Foods

- liver, cabbage, lettuce, spinach, milk, meat, eggs

Deficiency problems

- hemorrhage



Water Soluble Vitamins

Folate

What it does

- helps to make new cells
- helps prevent heart disease

Foods

- asparagus, broccoli, corn flakes, beans, tomato juice

Deficiency problems

- diarrhea, mental disorders, poor growth



Niacin

What it does

- helps our body use the fat and sugar we eat for energy
- helps keep our skin healthy

Foods

- mushrooms, tuna, green beans, broccoli, spinach, breakfast cereals

Deficiency problems

- diarrheam skin problems, mental disorientation



Riboflavin

- named for its yellow color (*flavus* means yellow in Latin)

What it does

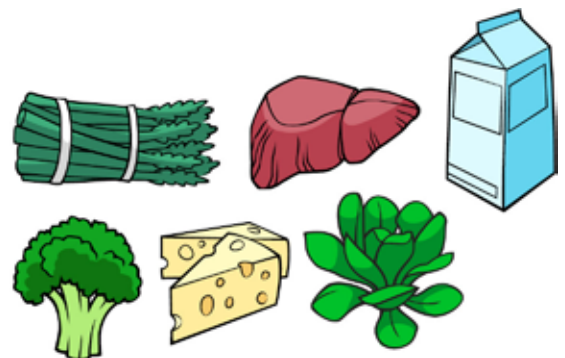
- helps convert the food we eat to the energy we need

Foods

- milk, cheese, liver, broccoli, asparagus, spinach

Deficiency problems

- eye disorders, cracks at corners of mouth, swollen tongue



Thiamin

What it does

- helps convert the food we eat to the energy we need

Foods

- spinach, tomato juice, watermelon, sunflower seeds, ham

Deficiency problems

- weakness, tingling in feet and hands, poor coordination



Vitamin B6

What it does

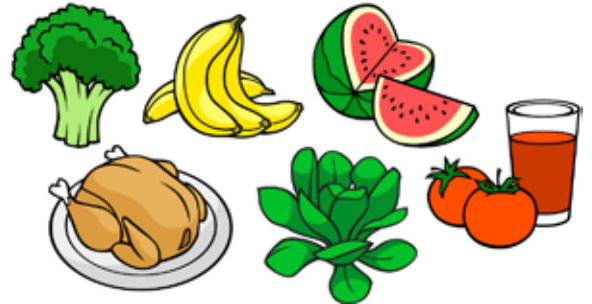
- helps make red blood cells
- helps our body use the fat and protein we eat for energy

Foods

- spinach, broccoli, tomato juice, banana, watermelon, chicken breast

Deficiency problems

- headache, convulsions, vomiting, flaky skin, sore tongue



Vitamin B12

What it does

- helps to make new cells

Foods

- meat, fish, poultry, milk, cheese, eggs

Deficiency problems

- anemia, poor nerve function



Vitamin C

- almost all animals make vitamin C in their bodies (only humans, guinea pigs, some bats, and some fish don't)

What it does

- protects cells from damage
- helps keep bones and skin healthy
- may help prevent cancer and heart disease

Foods

- oranges, strawberries, peppers, kiwi, brussel sprouts, broccoli, spinach

Deficiency problems

- bleeding gums, tiredness, weakness, sore muscles

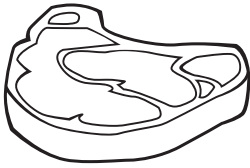


Vita Means Life!

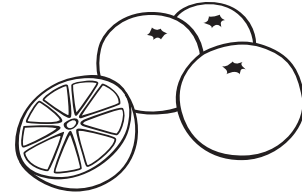
You can see by what vitamins do that they are important for a healthy life!

Vitamin Matching Game

On this page there is a list of vitamins and pictures of food. Draw a line from the vitamins to the foods that contain them. Keep in mind that some foods can have more than one vitamin. Good luck!



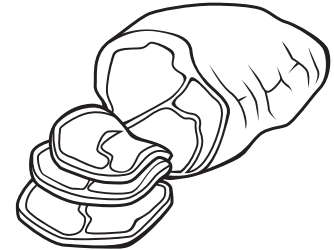
Vitamin A



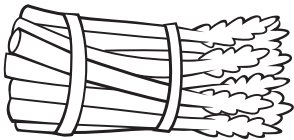
Vitamin D



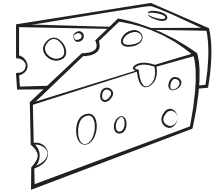
Vitamin E



Vitamin K



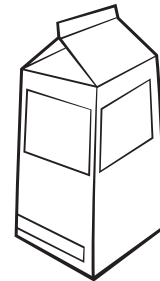
Thiamin



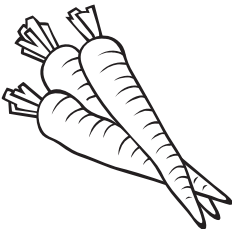
Riboflavin



Niacin

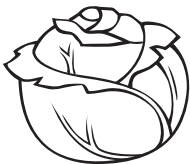


Vitamin B6



Folate

Vitamin B12



Vitamin C



Vitamin Matching Game Key

Vitamin A – carrots, milk

Vitamin D – milk

Vitamin E – nuts

Vitamin K – cabbage, milk, meat

Thiamin – ham

Riboflavin – cheese, milk, asparagus

Niacin – mushrooms

Vitamin B6 – banana

Folate – asparagus

Vitamin B12 – meat, cheese, milk

Vitamin C – oranges