Learning Guide – Vitamins and Minerals; Nutrition Labels Chem 1010

Now that we've discussed the macronutrients, it's time to talk about the micronutrients.

Vitamins

What vitamins are:

What are they useful for?

Vitamins can be divided into water-soluble and fat-soluble compounds.

Fat-soluble vitamins:	Water-soluble vitamins:
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vitamin B₁₂ (cyanocobalamin)

vitamin B5 (pantothenoic acid)

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Let's get a few more three of these vitamins:
Vitamin A (retinol)
important for:
deficiency causes:
found in:
of interest:
Vitamin C (ascorbic acid)
important for:
deficiency causes:
found in:
of interest:
Vitamin D (cholecalciferol)
important for:
deficiency causes:
found in:
of interest:

Minerals

What minerals are:
What are they useful for:
Minerals are divided into major minerals and minor minerals.
major minerals:
sulfur —
calcium, phosphorus –
magnesium –
sodium, potassium, chlorine –
minor minerals:
iron –
iodine –
cobalt –
others:
of interest:
Where do vitamins come from?

Where do minerals come from?

Nutrition Labels

Good nutrition is extremely important for good health.

Four of the top ten causes of death are related to what we eat:

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Federal law requires nutrition labels, which are designed to help the public make informed decisions about what to include in their diet.

What information can you get from a nutrition label?



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What do you think would be most helpful to look for when considering a purchase at the grocery store?

What things should be low:

What things should be high: