

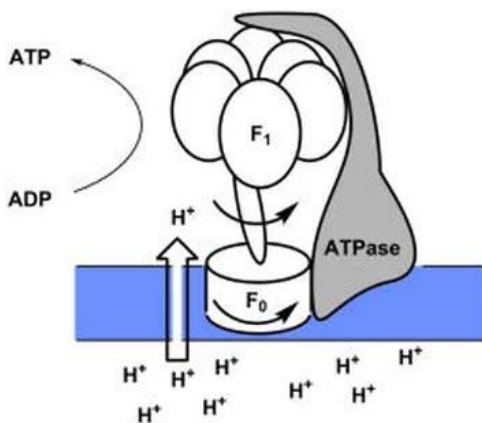
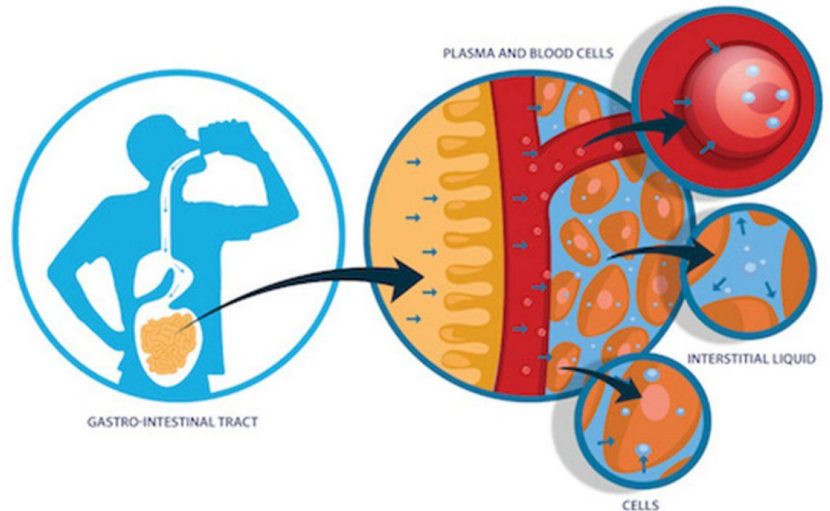
# Drinking Depleted Deuterium Water

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All of us know that water is one of the most important elements of human life.

The human body is made of 60% water, which is why it's so important for energy production. Producing energy happens in the mitochondria – the

powerhouse of the cell. Inside the mitochondria, there's this thing called ATP Synthase (ATPase), which functions like a spinning wheel that catalyzes ATP into ADP and a free phosphate ion.



This reaction releases energy and the faster the head rotates the more energy you can produce. Slower rotation causes fatigue, cellular dysfunction, and aging.

Hydrogen is the fuel that keeps the mitochondria going by producing more energy and creating a magnetic field around cells that attract oxygen. That's why you need water for life. Water is made of 2 hydrogen atoms and 1 oxygen atom. Hydrogen has a proton and an electron. However, hydrogen isotopes also have a neutron. One of them is Deuterium with a single neutron ( $^2\text{H}_2\text{O}$ ). There are also Protium with 0 neutrons and Tritium with 2 neutrons.

**Deuterium is an isotope of hydrogen that weighs twice as much, thus it's called "heavy water"**. Because of its heaviness, deuterium doesn't pass through the ATP Synthase (ATPase) like regular hydrogen. It in fact may break one or more of the 400 or so nano motors in each mitochondria the system and lower energy efficiency. New science has found that high levels of deuterium can have quite a negative effect on your health, and mitochondrial function.

- **Deuterium slows down ATPase in the mitochondria thus decreasing ATP production**
- **Slower ATPase draws less oxygen from the blood and lowers the redox potential of cells**
- **Deuterium fuels cancer cells and helps them grow**
- **Research indicates that deuterium is coupled with DNA mutation and subsequent DNA damage**
- **Deuterium can cause the dis-regulation of the Immune System**

## How Deuterium Depleted Water Helps

Light water (another name for Deuterium Depleted Water) a product of modern technologies is water in which the content of heavy isotopes of hydrogen are reduced in relation to natural level of these normally found in water. As showed by numerous experiments and studies, such water exerts a surprisingly beneficial influence on the human body including immunomodulatory and rejuvenating properties. Purification of natural water by removal of the Deuterium based elements is carried out by very difficult, power-intensive and expensive technologies, the output is limited, and therefore such product is not only expensive but not as available as usual "mineral waters". For this reason despite the unquestionable health benefits the drinking of deuterium depleted or light water is not yet widely adopted except for its use (successfully over the last 20 years in Europe) as a complementary approach in the treatment of tumor based diseases. And in the USA light water is officially recommended as preventive anti-carcinogenic means.

## How lowering the amount of deuterium in your cells helps with Cancer.

- **Lessens the ability of cancer cells to make the energy they need to continually grow and divide via the alternative metabolic pathways.**
- **Takes away the energy cancer cells need to metastasize.**

## How lowering the amount of deuterium in your cells helps your Immune System.

- **Lessens the availability of deuterium to dis-regulate and turn off the immune system.**
- **Lessens the availability of deuterium that infectious pathogens like bacteria, viruses, fungus, and protozoa need to grow.**
- **Mitigates the growth of existing infections while stopping the occurrence of new infections.**

## How lowering the amount of deuterium in your cells helps delay the processes of aging

The analysis of a phenomenon of longevity shows that long-livers live, generally in mountain districts and regularly consume mountain water. Longevity of the northern people is connected with the use of thawed snow of glaciers. This fact is explained by the fact that thawed snow contains a lower content of deuterium in comparison with normal drinking water and by drinking this water or any depleted deuterium water over time:

- **Depletes deuterium from your existing DNA and allows it to fold properly.**
- **Gives you the right Lego pieces to make “good DNA.”**
- **Stops the high rate of mutations in cancer cells and, therefore, increases the effectiveness of drugs – even those that didn’t work at first.**

- **Allows cells to stop replicating and mature like normal cells – all normal cells die a natural death called apoptosis.**

## Increase in energy resources of the person

Positive properties of light drinking water are confirmed with researches and clinical tests. It was shown that the animals drinking the water which is grown poor by a deuterium differed in playfulness and high mobility. **Consumption of light water by volunteers in volume of 1 liter a day promoted improvement of parameters of haemo dynamics that created conditions for growth of physical working capacity.**

## In Summary

**By lowering the levels of deuterium in the body by drinking Depleted Deuterium Water (DDW) or light water as it is also known has unique properties on rejuvenation and improvement of a human body which are confirmed by international research and clinical tests.**

