



Kangen Water™

“Return to Origin”

1. Alkalinity

(Balance Body pH)

2. Oxidation Reduction Potential

(Anti-Oxidant/ Anti-Aging)

3. Micro-Clustering

(Cellular Hydration/ Detoxification)

History of Ionized Water

Water is the basis of ALL life. Essentially, we are water. It makes up 80% of the human body. Without it, life does not exist. However, not all water is the same. Certain waters nourish the body perfectly, promoting continuous cell rejuvenation and optimum health.

Around the world, “healing waters” exist in unique locations. In these places, people live longer, healthier lives. In the 1930’s, Nobel prize winner, Dr. Henri Coanda studied the Hunza people of the Himalayans who have the longest lifespan in the world and live exceptionally healthy lives free from disease. Hunza people routinely live to 120-140 years, in good health with virtually no cancer, degenerative disease, dental caries or bone decay. Hunza people remain robust and strong, and are also able to bear children into old age. Research proves conclusively that the local water supply is the primary causal factor of the healthy, long-living Hunza people.

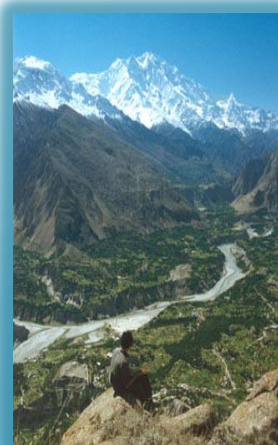


Special properties in the Hunza waters contribute to the population’s longevity. The high alkaline pH, active hydrogen, micro-clustered water molecules, and negative oxygen-reduction potential (antioxidant) create the perfect natural water. Healing waters flowing in other locations such as Lorges, France; Nordenau, Germany; Tlacote, Mexico and Delhi, India share the same properties.

Since it is not possible for the entire world to drink from these glacial conditions, scientists researched other methods to produce this quality of water. Researchers found through the process of electrolysis, ordinary tap water can be restructured to mimic nature’s healing waters.

Japan created the first commercial alkaline water ionizers in 1958. At first, only hospitals utilized these very large units. In 1960, a group of Japanese medical doctors and agricultural research scientists formed a special medical and agricultural research institute to investigate ionized water. Annual meetings were held to report their findings. Finally, in January 1966, the Health and Rehabilitation Ministry of the Japanese Government acknowledged the alkaline water ionizer as a legitimate medical device for improving human health.

Today, Japan’s hospitals and doctors use ionized water as the primary source of preventative medicine. The demand for this water inspired the creation of Enagic’s Kangen Water™ in-home units, which utilize the same technology as the large hospital ionizers. Enagic’s Kangen Water™ ionizers remain the only certified medical devices by the Japanese Ministry of Health. In 2003, Kangen Water™ reached the United States and has since spread worldwide. Today, more than 30 million people in Japan, and more around the world benefit from ionized water.



Alkalinity

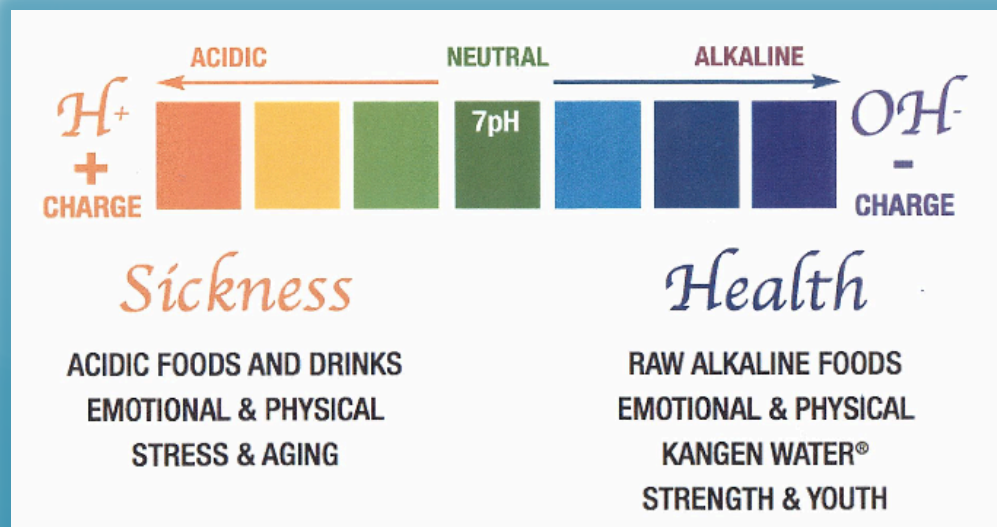
*“The first step in maintaining health is to alkalize the body.”–Dr. Aurthur C. Guyton
Balancing one’s pH is the most important step in achieving real vibrant, radiant health.*

Every baby is born alkaline, while almost every adult is acidic. Returning the body back to an alkaline state restores health as nature intended.

Acid waste is a normal by-product of food metabolism and other bodily functions. However, certain lifestyles including stress and acid forming foods and beverages, such as soda, sports drinks, and packaged foods increase acid production, lowering the tissue pH. The pH level is a measure of acidity or alkalinity, on a scale of zero to fourteen, with zero being most acidic, fourteen being most alkaline. When one’s tissue pH drops below 7.35 illness strikes, ranging from lack of energy and headache to arthritis and cancer.

An alkaline lifestyle including stress reducing activities with a diet of 80% alkaline foods and alkaline ionized water insures a properly balanced pH throughout the body. This slightly alkaline environment inhibits the growth of harmful bacteria and disease. The importance of acid alkaline balance was validated in 1931 when Dr. Otto Warburg won a noble prize for his research involving cancerous tissues. He determined that “disease can NOT survive in an alkaline environment.”

Since then, numerous doctors and scientists have stressed the importance of pH balance for disease prevention. Masking symptoms with medications ignores the root cause of acidosis. With a properly balanced pH, the body will heal itself.



“DISEASE can not live in an **ALKALINE** body”



Dr. Otto Heinrich Warburg
Nobel Prize Winner
The Root Cause of Cancer



Biochemist Otto Heinrich Warburg, one of the twentieth century's leading cell biologists, discovered that the root cause of cancer is too much acidity in the body, meaning that the pH, potential hydrogen, in the body is below the normal level of 7.365, which constitutes an “acidic” state. Warburg investigated the metabolism of tumors and the respiration of cells and discovered that cancer cells maintain and thrive in a lower pH, as low as 6.0, due to lactic acid production and elevated CO₂. He firmly believed that there was a direct relationship between pH and oxygen. Higher pH, which is Alkaline, means higher concentration of oxygen molecules, while lower pH, which is acidic, means lower concentrations of oxygen...the same oxygen that is needed to maintain healthy cells.

In 1931 he was awarded the Nobel Prize in Medicine for this important discovery. Dr. Warburg was director of the Kaiser Wilhelm Institute (now Max Planck Institute) for cell physiology at Berlin. He investigated the metabolism of tumors and the respiration of cells, particularly cancer cells. Below are some direct quotes by Dr. Warburg during medical lectures where he was the keynote speaker:

“Cancerous tissues are acidic, whereas healthy tissues are alkaline. Water splits into H⁺ and OH⁻ ions, if there is an excess of H⁺, it is acidic; if there is an excess of OH⁻ ions, then it is alkaline.”

In his work *The Metabolism of Tumours* Warburg demonstrated that all forms of cancer are characterized by two basic conditions: acidosis and hypoxia (lack of oxygen). “Lack of oxygen and acidosis are two sides of the same coin: where you have one, you have the other.”

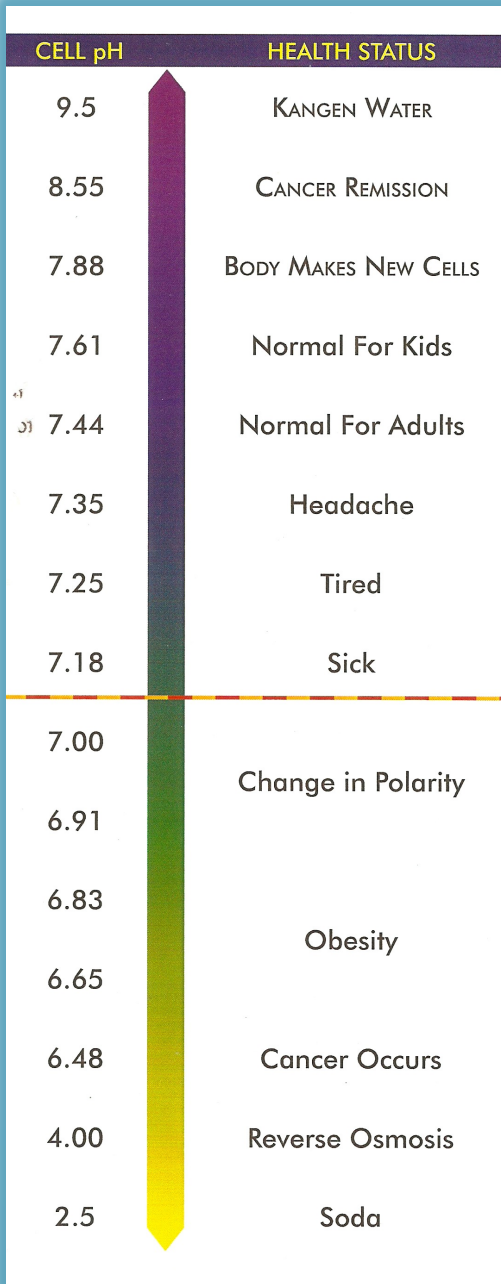
“All normal cells have an absolute requirement for oxygen, but cancer cells can live without oxygen - a rule without exception.”

“Deprive a cell 35% of its oxygen for 48 hours and it may become cancerous.”

Dr. Warburg has made it clear that the root cause of cancer is oxygen deficiency, which creates an acidic state in the human body. Dr. Warburg also discovered that cancer cells are anaerobic (do not breathe oxygen) and cannot survive in the presence of high levels of oxygen, as found in an alkaline state.

Acid-Alkaline Balance

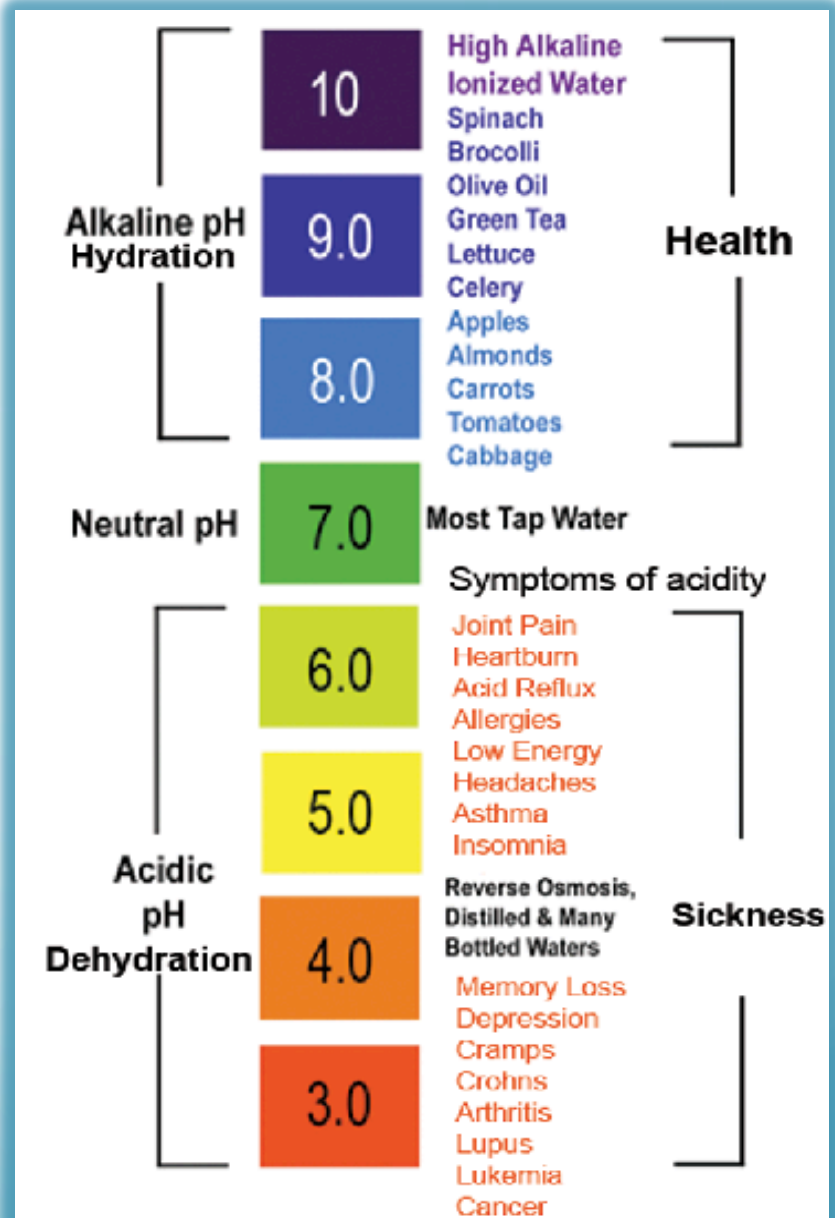
Kangen Water™ is extremely effective in helping to alkalize the body.



Every person has cancer cells within their bodies.

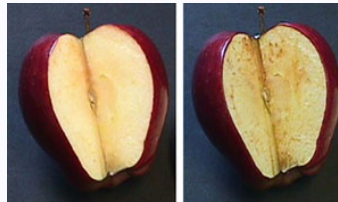
However, cancer ignites when the tissue pH drops to a 6.48. Drinking Kangen

Water™ is the most efficient way to raise the pH high enough for the body to start making new healthy cells. At a pH of 8.55, cancer remission is possible.



Oxidation & Free Radical Damage

Oxidation = “rusting process” or cellular damage resulting in aging

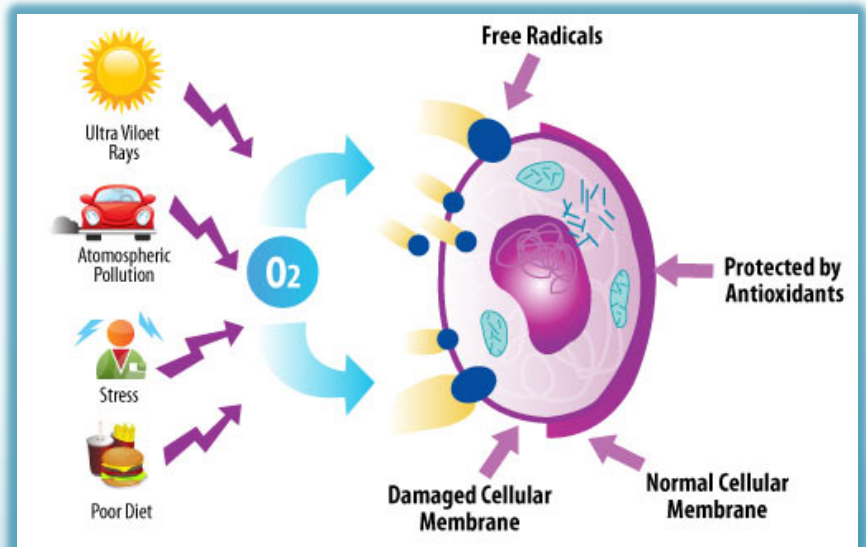


(Cut apple after several minutes)

An example of oxidation is the browning of an apple when exposed to air. The body is continually undergoing oxidation, however, antioxidants slow this process.

To understand the vital role antioxidants play in keeping the body healthy, it is important to understand free radicals. Free radicals come from smoking, pollution, poisons, fried foods, and as a by-product of normal metabolism.

Free radicals are produced through oxidation, which is a chemical reaction between oxygen and another substance that results in the loss of an electron. After an electron is lost, the molecule becomes unstable, and turns into an electron-hungry, free radical.



To stabilize themselves, these free radicals bind to healthy tissues in the body causing cellular damage. This destruction creates a biological aging of the body that is evident through a microscope as well as the naked eye. This destruction of oxidation results in wrinkles, degeneration of our bones, muscles, organ and glandular systems, a weakening of cellular membranes and a loss of vital energy. Free radicals are known to be the primary causal factor in all disease.

Antioxidants

Antioxidants neutralize free radicals by donating an extra electron, thus preventing damage to the body.

Antioxidants are present in fruits and vegetables as well as beverages such as green tea and alkaline ionized water. The antioxidant power is measured by the *Oxidation Reduction Potential*: a substance's ability to reduce oxidation in the body.

ORP is a measurement of a substance's tendency to acquire or donate electrons measured in millivolts. A positive (+)ORP indicates the presence of free radicals, which take electrons, accelerating the oxidation/aging of the body. A negative (-)ORP indicates the presence of extra electrons, which act as antioxidants, reducing oxidation/aging of the body.

A study examining different water sources, shows the difference between Kangen Water™ and other types of water. The tap, filtered, and bottled waters all have a positive ORP, oxidizing the body, while the Kangen Water™ has a extremely negative ORP, indicating its great antioxidant ability.

Water Type or Source	MilliVolt Reading	Rate of Corrosion
Tap*	+576	High
Steam Distilled	+755	Extremely High
Pur Filter*	+588	High
Britta Filter*	+622	Very High
Carbon Filter*	+596	Very High
Softened	+791	Extremely High
Aquafina by Pepsi	+542	High
Dasani by Coke	+521	High
Penta	+613	Very High
Evian	+404	High
Perrier	+457	High
Propel Fitness Water	+656	Very High

*This is an average of the values gathered from source waters in cities across the US – Dallas, Los Angeles, New York City, Santa Fe, Seattle and Spokane.

Bottled water readings vary from one bottling run to the next. These are the *lowest readings* measured over a 3 year period.

Water Type or Source	MilliVolt Reading	Rate of Anti-Oxidants
Kangen Water™	-883	Extremely High

This is also the average values of water gathered from the same sources as the tap water readings above.

Kangen Water's™ antioxidant power is displayed below.



After sitting sealed for 16 months, the nails in the tap water have greatly oxidized and turned brown. However, the nails in the Kangen Water™ from the same water source have not oxidized due to the presence of abundant antioxidants.

Oxidation Reduction Potential

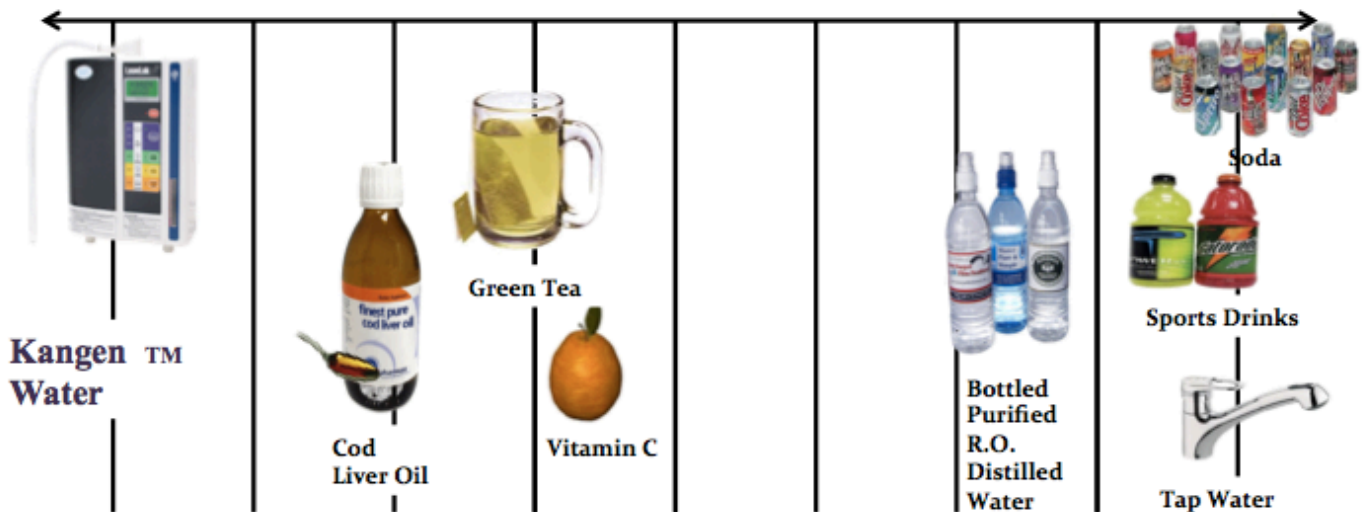
- GOOD

- ORP (mv)

+ BAD

+ ORP (mv)

-600 -500 -400 -300 -200 -100 0 +100 +200 +300 +400



Kangen Water™ is one of the most powerful liquid antioxidants available. While the famous green tea has an antioxidant power of -100mv, Kangen Water™ has the potential to exceed -600mv.

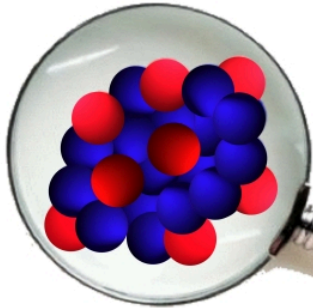
The bioavailability of antioxidants in Kangen Water™ is much greater than those found in food sources because they do not need to be metabolized first. The extra electrons present in Kangen Water™ are instantly available for neutralization of free radicals, greatly slowing the aging process. It would not be possible to eat enough fruits and vegetables to receive the same amount of antioxidants found in Kangen Water™.

Micro-Clustered Molecules

Regular H2O Cluster

15 - 20 Molecules

Larger clusters limit absorption by the body

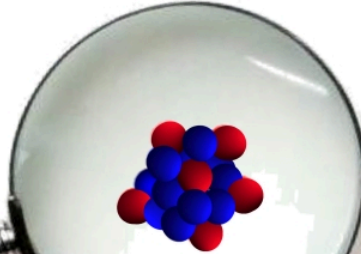


Regular H2O Cluster

Kangen™ Micro-Clusters

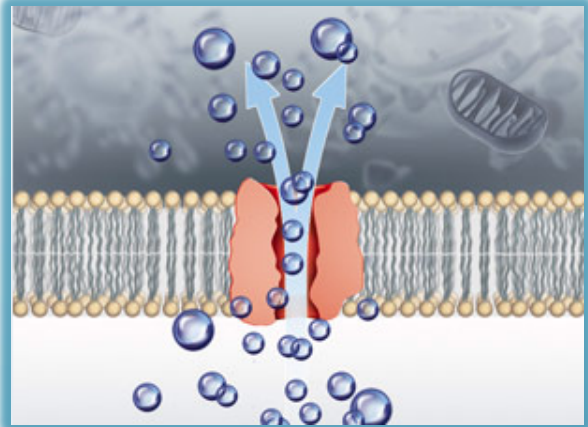
5 - 6 Molecules

Micro-clusters allow greater penetration and absorption by the body



KANGEN™ Micro-Cluster

The process of ionization reduces the size of the water molecular cluster by two-thirds. Because the cluster size of the water molecule is smaller, it is easier for the body to transport it across the cell membrane into the cell, hydrating the body more efficiently. Water easily passes in and out of the cells, carrying nutrients in and pushing toxins out. Improved cellular hydration results in a reduction of cell acidity, enhanced immunity, increased fat burning, DNA repair, and increased resistance to viruses. Dehydrated cells lead to muscle wasting, cell hypoxia (oxygen starvation), DNA damage, and accelerated aging. Restructured, ionized water properly hydrates the body, allowing the body to heal itself.



Micro-clustered Kangen Water™ molecules pass freely in and out of the cell, while large clusters from the tap and bottles are unable to enter.



Hiromi Shinya M.D., Ph.D.

Developer of Colonoscopy and Endoscopy

Hiromi Shinya, MD is well known as the developer of the field of colonoscopic surgery (the Shinya Technique). He performed the first non-invasive colon surgery. Using his own invention of the colonoscope, he discovered the ability to both examine and operate on the colon without abdominal incision.

Dr. Shinya is Clinical Professor of Surgery at Albert Einstein College of Medicine and Chief of the Endoscopy Unit of Beth Israel Hospital in New York, as well as an advisor for Maeda Hospital and Hanzomon Gastrointestinal Clinic in Japan. A native of Japan, Dr. Shinya received his medical education both in Japan and in the United States.

Dr. Shinya, now past 70, continues an active daily practice of medicine, spending half of each year in New York City and the other half in Tokyo. He is Japan's most famous doctor and treats members of Japan's royal family and top government officials. His practice in the United States also includes celebrities and Presidents. He is Vice Chairman of the Japanese Medical Association in the USA and much in demand as a speaker internationally.

As a gastro-intestinal specialist he has treated over 300,000 patients without a single recurring case of cancer. Shinya believes that there is a direct relationship between dietary practices and health problems. He requires each of his patients to drink Kangen Water™ in conjunction with a healthy diet. Kangen Water™ plays a crucial role in the cleansing of the colon. Shinya describes the colon as the sewage system for the body. Therefore, when the colon backs up, toxins are not released and the entire body is subject to disease.

