

## A brief Description of the Body Chemistry Numbers

The concept of balancing Body Chemistry first came into being in 1940, when the Biological Theory of Ionization was first introduced. Today, Biological Ionization is used by many natural health practioners to find out the cause of the “loss of energy” and to balance the body chemistry for health and wellness.

The Biological Theory of Ionization is an individual mathematical equation, designed to increase energy by improving the body chemistry. The data in the equation is obtained from an analysis of urine and saliva specimen. You will, regardless of which health program you follow be able to tell whether you are gaining energy and getting well or losing energy and getting sicker. Through its unique program it allows one to gain energy at the fastest rate for the age and get well quickly.

**In BTI perfect body chemistry is:**

$$1.5(A) \quad \frac{6.40(B)}{6.40(C)} \quad 6-7C(D) \quad .04M(E) \quad \frac{3(F)}{3(G)}$$

These factors in the equation produce a pattern that shows whether or not your body chemistry has too much or not enough of the following:

1. Carbohydrates
2. Salts
3. Calcium(s)
4. Water
5. Oxygen
6. Normal protein digestion
7. Too acid or too alkaline

Each number relates to the others in an integrated pattern. Any change in one number is a change in all numbers. You may have a corn on the toe that becomes so painful until you feel sick all over. Any person whose numbers are not perfect needs help with their diet, exercise, philosophical outlook on life, and encouragement. Look at the letter (e) in the equation. Perfect is 0.04M or 40,000 particles per liter. If you had 4M, however, it would mean that there were 4, 000, 000 particles per liter. Your body could not be “perfect” if it were throwing out 100

times more worn out cells than if you were perfectly healthy. You cannot concentrate on any single number in the equation. The relationship of one number to another produces a pattern that makes a “picture” of the body chemistry.

### **What do the factors (a) to (e) mean?**

**(a) Sugar levels:** Indicates the total carbohydrate found in the urine; whether there is an oxygen deficiency: the brain is very sensitive to changes in oxygen levels; whether too much or not enough insulin is being produced; whether vitamin C, A, Iron and Iodine are available. These deficiencies will especially affect the function of the eyes, skin, bone marrow, blood, liver, and the immune system.

**(b) Urine pH:** A urine pH of 6.4 is perfect when all other numbers are perfect. A drop in the pH would be an increase in acidity. A rise in pH would be an increase in alkalinity. The urine pH indicates whether nutrients are available to the organs to build healthy cells or deteriorating due to mineral deficiencies.

**(c) Saliva pH:** It's an indication of the nutrients, especially calcium, that are available to the liver for best function. A calcium deficiency in the liver affects its health and the health of every organ in the body. The liver produces about 5 billion enzymes during each day to keep us in perfect health; all the nutrients of digestion goes first to the liver where they are altered, stored, and distributed to the other organs as needed. The saliva pH indicates the strength of the gastric juice and the bile. The further the pHs drift from perfect in either direction, the greater is the loss of energy. The pHs are major indicators of the calcium(s) and the other nutrients that are lacking in the diet.

**(d) Salts:** This is the totals salts of which there are about 48 different kind that are thrown off through the urine. They come from worn out cells, mineral salts from food and table salts. This number indicates the level of salt retention. Excess salts levels affect all organs and tissues that contain smooth muscles. This includes the muscular layers in all the blood vessels, veins and arteries, lymph vessels, all the ducts of glands and bladders of organs and the digestive tract. Excess salts relates to diverticula's pockets in the bowels, hardening of the arteries, high cholesterol, heart palpitation, cardiac arrest, heart attacks, crib death, and some problems affecting the nerves.

**(e) Debris:** This refers to the number of particles or cellular debris (particles of dead cells) in the urine. A person with perfect numbers would be throwing off very little cellular debris, because digestion, cellular renewal, metabolism, and energy utilization would be perfect. The higher the debris counts the greater the vitamin C deficiency and the more polluted the blood stream; there is increased kidney stress and necessity for cleansing the blood and lymph. Worn out cells that are not washed out by drinking enough pure water will become a soluble salts in 3 days, and compound the damaging effects of high salts mentioned above.

**(f) Nitrate Nitrogen:** This number is one of the urea(s) that indicates how well the body is digesting and utilizing protein. Protein digestion is determined by proper liver function, which relates to proper organ and glandular functioning. If liver function is weak protein is not utilized which causes a lack of amino acids in the blood and a loss of reserve energy.

If there is too much of a build up of urea, this causes the heart to beat too hard. A high initial nitrate nitrogen number, especially if it is

combined with a high combined salts number and a high ammoniacal nitrogen number, indicates undue cardiac stress. On the other hand, low nitrate nitrogen that rises in accordance with shifts in other numbers may be a very good sign as it indicates that the body is now manufacturing sufficient amino acids.

**(g) Ammonia Nitrogen:** It is the other part of the urea and it can affect cardio-vascular energy. Together with the salts, pH's and debris, it can give an indication as to proper kidney function.

Each urea number is important in itself relative to the over-all pattern. But they are also important when combined. For instance, the heart begins to show stress at a combined number of 12. At 20 the coronary arteries are under so much stress they narrow and begin limiting the blood flow to the heart muscle. At 24 the heart muscle is not being oxygenated properly. The possibility of cardiac arrest exists at 28, and at 30 the heart goes into spasm and ceases to function. You become a statistic. The higher the urea, the thicker the blood and the less able it is to exchange the life giving nutrients and carry the waste away from the cells efficiently. Hence a loss of energy results and cells die prematurely.

### **The Bottom Line:**

With perfect body chemistry, all the minerals, vitamins and enzyme are in proper ratio within the body. You are getting the maximum amount of energy from your diet and the air. The reserve energy (vital force) is at its maximum for the age of the individual. You are not aging too fast or too slow. Your immune system is at maximum strength. This is perfect health. As nutritional deficiencies occur in life due to improper lifestyle habits, and or wear and tear on the body the energy level begins to drop, causing the body chemistry numbers to move away from perfect. The greater the energy loss, the further the numbers drift and the further the drift, the greater the effect upon ones overall health. At this time, unpleasant symptoms of all kinds may begin to affect the individual's health. When the reserve energy has dropped low enough, your Physician may diagnose you with one disease or another.

### **Plant and People are alike:**

The Biological Ionization was founded upon sound agricultural principles. Plant and people are very much alike. Unless the plant is supplied with the necessary condition for healthy growth; water, sunlight, air, nutrition, and electrical current flowing from the south magnetic pole to the north magnetic pole, it will not be a healthy plant, nor will it produce healthy offspring. In fact, the plant resistance would be lowered; it would be diseased. Bugs, insects, pests and other unwanted factors will prey upon the plant and its weakened offspring. The solution to this problem is to understand what is lacking or deficient, supply it and assist the plant (through natural means) to resist the bugs and insects until the plant resistance is built up.