

Chapter 1

Just the Facts Man

AS LONG AS America is in the business of weapons, we will have war. As long as we subsidize grain-based chemical agriculture at the expense of smaller diversified organic farms, we will have disease. As long as we treat those diseases (unheard of 100 years ago) with expensive pharmaceutical "health" care, we will suffer. *Here's why:* We don't usually think of our bodies as electrical though we describe a bubbly personality as "magnetic" or a student as having great "potential". She/he is very "attractive", or I got a "charge" out of that comedian, or be "positive" and feeling those good "vibrations" are every day quips. These are the same terms science uses when dealing with molecules and their energy states ... amazing verbal parallels in our fractal universe. Our hair, the air, the dog and the kitchen table are made of molecules. Everything in the material universe is made of molecules—simple combinations of protons, neutrons and electrons all vibrating in a matrix of pure energy.

- Lacking electrons, a molecule is positive due to a (+) positive proton charge and wants electrons. A free radical is minus an electron due to combustion or other damage to its outer shell and is super electron hungry.
- Stacked with extra electrons, the same molecule could carry a (-) negative charge and has a potential to supply electrons to other molecules.
- When electrons flow they are called electricity and by flowing create magnetic fields, chi, and even generate photons as their orbits degrade.
- Electron sharing and exchange is the ultimate boy-girl thing at the atomic level, the energetic currency of the material world!

Energy Meets Matter

- Photons from the Sun provide the energy (emf, electro-motive force) that jacks-up electrons in foods, water and our bodies to higher energy orbits and beyond.
- Electrons, EMFs (electromagnetic fields) and biophoton frequencies, hormones, enzymes and even free radicals carry operational information to our cells and regulate body chemistry.

- (Bio-) Photons are re-released when those high-energy outer electron orbits decay into a lower energy shell.

Chemistry Meets Biology

People don't normally think in these terms, not even doctors, we are "not supposed to"... yet every molecule of air, water, food, toxin as well as each and every thought we are made of adds to a total-body balance sheet of potential charge vs. acidic protons, oxidants and oxidant free radicals.

- *The manifestation of seemingly unrelated symptoms occurs as acids and oxidants gnaw away at the electrons holding our cell's molecules together. Acids also reduce oxygen availability. (Though varied areas of impact seem to reinforce the idea of separate diseases, the fact of the matter is they're all just oxidative stress. Pharmaceutical research tends to focus on individual downstream biochemical mistakes in a vain search for silver-bullet drugs, where **a redox/pH approach seeks to correct the electrochemical charge climate so that the entirety of our intricate biochemistry can proceed unhindered.**)*
- Lack of oxygen, hypoxia, shuts down *energy* producing mitochondria. Since mitochondria generate free radicals during normal metabolism, an absence of electrons lets them burn-out. Usually before burn-out happens, a surplus of free radicals signal the cell to produce more antioxidant enzymes SOD and catalase.
- In a weak electron charge environment, genetic expression fails because either *DNA base pairs unravel* or *unwanted molecules stick to DNA* sequences.
- Since the frequency of DNA vibration determines the informational coherence of energy transmissions, stuck-on molecules dampen DNA's directions like a wad of chewing gum stuck to a tuning fork.
- When DNA molecules become crippled, *transmission of cellular communications* are garbled and inaccurate. Then production of *enzymes and hormones that carry out DNA's instructions* goes haywire. *This is the root of illness, a lack of energy, oxidative stress.*
- *The 2nd Law of Thermodynamics, Entropy* states that matter tends toward a state of disorganization (oxidation), molecules come unglued, and so living things disintegrate like mountains or old cars. *To oppose Entropy, continual inputs of energy are required, electrons.*