

Chapter 11

THE MINIMAL DOSE

Chapter 11

THE MINIMAL DOSE

What is the least intervention possible to cure with minimized risk of hurting?

We have pointed out before that for a statistical Gaussian distribution we must have:

1. equi-probability of events
2. a sufficiently large number of events
3. independence of the events

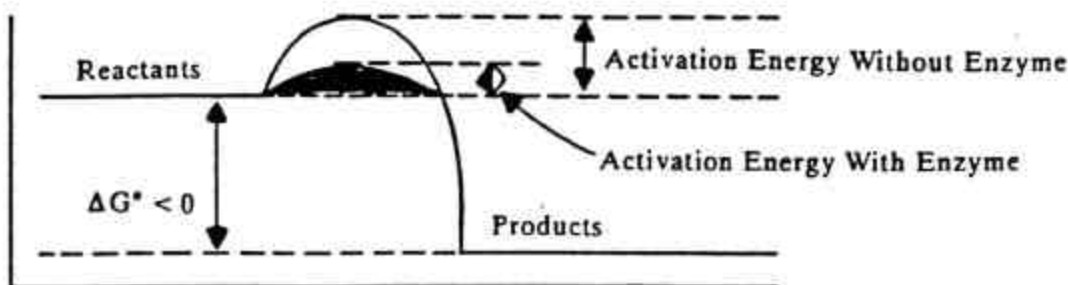
This makes up a statistical profile. For a process to be quantic and fall under indeterminacy:

1. the number of the molecules must be smaller
2. the size of the molecules must be larger
3. the motion of the molecules must be slower

At body temperature the motion of the molecules is slow enough, the size of the molecules is large, and the number of the molecules is small. This is why the temperatures of the body and the motion of the molecules are within the limbo of indeterminacy. At higher temperatures (above 106E F) not only are fatty acid bonds destroyed, but the motion of the molecules starts to go *too* fast, and goes beyond that needed for indeterminacy. So we can see the balance needed for temperature in biology.

McIlwayne tells us that riboflavin in certain bacteria is produced at an average rate of 1.422 molecules per bacterium per second. Vitamin H (biotin) is produced in these same bacteria at .08 to .34 molecules per cell per second. PABA (Para Amino Benzoic Acid) in E-coli cells, is manufactured at 3.3 molecules per cell per second.

In vitro (in the test tube) enzymes are able to produce these vitamins and molecules at rates of one hundred molecules per enzyme molecule per second, or higher. This would point out that within the cell there could only be two possibilities: that one such enzyme molecule exists per cell, or that the biological process controls or slows down the process so that an over-abundance of these compounds is avoided.



The factors of life are factors of balance; everything must be done in a controlled balance process. We will become just as sick from too much as from too little. Thus biology, to maintain itself, must have the ability to control, and to allow the process to happen with a small number of molecules per system. Even too much water or vitamin C produce problems.

Beta galactosidase is present in the E-coli grown on glucose. If grown on lactose, a thousand times the amount of the enzyme is required, and inductively synthesized. This amount now represents 1% of the protein of the cell. The dry weight of the protein in the E-coli is 4.7×10^{13} grams, so that before adaptation the enzyme comprised about 5×10^{-18} grams, converting the molecular weight, four thousand, to actual weight; one enzyme molecule weighs roughly 7×10^{-19} grams. By this estimation there are nine enzyme molecules per cell.

Setlow and Pallard point out, "This leads us to a remarkable idea that some doctors find that the whole process must take place in the vicinity of one molecule. Where this molecule is in the cell, how its substrate can

reach it, and the considerable consequences of the formation of a second molecule are excellent subjects for thought. It is also clear that any process that occurs at a single molecule is not one to which the statistics of large numbers can be applied."

King, Norman and Connell (1964) pointed out that only one molecule of ragweed antigen is necessary per receptor cell for immunological action. Wald (1965) told us that one molecule of Hagemon factor is required for the initiation of blood clotting. Lamanna (1959) pointed out that two thousand molecules of botulism toxin are fatal to mice. The zinc concentration in human leukocytes has been determined to be 3.2×10^{-10} micrograms per million cells.

From Hock and Vallee (1952) this concentration represents about .2 atoms of zinc per cell. Maybe all leukocytes do not need zinc, or was this proof of deficiency syndrome?

It has been proven that thyroid hormone at concentrations of 10^{-10} can have effects on animal and human metabolism. Angiotensin at concentrations of 10^{-9} can have effects on human blood pressure. Catecholamines, baldostra, serotonin and other bioactive peptides can exert large effects with only one hormone molecule per cell in a target organ *in vivo*; whereas *in vitro*, much larger amounts of these bioactive peptides are needed to induce molecular activity.

Classic allopathic medication is contingent upon working against the symptoms. The symptoms are the messages of the disease, so allopathy shoots the messenger. This is the major component of allopathic medicine. An antihistamine is used to block histamine release. An MAO inhibitor is used to block monoamine oxidase utilization. Much of pharmacology depends on either synthetic stimulation of an event or blockage of its event, either through the re-uptake process or by a counter hormone. In homeopathy, however, we are trying to stimulate the biological response of the organism.

Thus we can see that using hormones homeopathically in very small amounts (sometimes as low as 10^{12}) can effectively stimulate an organism to respond. The criteria of homeopathy are not by measurement of *in vitro* results, but by measurement of *in vivo* results. Homeopathy means working *with* the body by not trying to out-think it.

The International Journal of the Medical Science of Homeopahty gives us a very nice critique in experiential evidence of the validity of homeopathy. Homeopathy is a valid, useable form of medicine in many parts of the world today. Homeopathic medications will outsell allopathic medications almost two to one in today's world market.

As we can see from the quantum biology in the quantic profile, the number of molecules must be smaller, the size of molecules must be larger, and the motion of molecules must be slower. This is the natural process, and we can see how one molecule of a given enzyme or hormone can have powerful results because of long-range forces and biophoton control.

Thus we can see that in our utilization of the quantic theory we must have a small number of molecules. The size of the molecules must be larger. As we have pointed out, biology could use an enzyme or hormone very effectively, and get the most out of it by using long-range forces and other dynamics to move these molecules effectively.

From its tests *in vitro*, allopathic medicine would have to slide into statistics, in which we would have a sufficiently large number of events. There would be independence of the events. This shift toward statistical distribution would account for why pharmacology does work, by putting in a large amount of a certain pharmaceutical, via synthroid, prolactin, thiorazine, or whatever. The large number of molecules overwhelms the quantic, natural flow, and by causing a statistical distribution, they can engage the lock-and-key philosophy. Not through the natural process of lock-and key, but by the statistics of overloading the system, thus demanding action via its unnatural push.

To produce the control needed for biology, the quantic system would need to be able to control small molecules rather than having an entropic process of thermodynamics. This and many other examples can tell us that to understand biology we must apply the concepts of quantic interaction and indeterminacy and learn about the *in vivo* reactions and the limitations of our *knowledge* of *in vivo* reactions. Since we cannot proceed to measure intricately the phenomena within a quantic system as the living *in vivo* test does, we must adapt by observing nature and hallmarking what nature knows. "Healing shall come from the leaves of the field," the Bible says. As we watch nature in its activity, we will uncover more and more about medicine.

In the past, many practitioners have done this; this is how medicine was originally developed. An herbalist could find an herb that had a reaction, and use this activity to treat patients. Valarian root was used for its calming effect, in making valarian tea. The *in vitro* synthetic chemical experts found that this activity had certain enzyme and metabolic processes. Their system of knowledge *in vitro*, being thermodynamic, was also reductionistic, and did not depend on natural control mechanisms. Thereby, they attempted in their system to isolate the most active chemical within the valarian root, and thus followed the existence of valium. Valium was then derived from the valarian root, and this synthetic deriving process robbed it of some of its natural activity. But then, as more and more profit was

sought, it was found that valium could also be derived synthetically from petrochemicals. This synthetic valium process could be patented. *Any* synthetic manufacturing process can be patented; whereas any natural remedy or naturally-occurring chemical from plant or animal tissue cannot be patented.

The patents on valium paid off big. Billions of dollars were made by the valium manufacturers, and profiteers were able to profit from the sale of synthetic valium. Then a strange thing happened; valium started to have toxic effects. Now people hooked on valium had to go to detox clinics to kick valium. Jill Claybourne's movie, "I'm Dancing As Fast As I Can", was about a woman hooked on valium. Many clinics and hospitals have dealt with this problem of iatrogenic (doctor-caused) overdose. Yet, to date we have no clinics for valarian tea addiction. We need no clinics for natural valarian root addiction, because in using the natural valarian compound, nature has supplied us with other factors to help stabilize the reaction. Nature presents the amounts needed, often in harmony with support items or detox enzyme controls.

Thus the thermodynamic *in vitro* concern has been a profitable one via the process of patenting. The natural process of using natural herbs, homeopathics and naturopathy have had much less play in modern medicine. Billions of dollars are spent every year on iatrogenic malpractice suits, primarily involving synthetic drugs. Yet homeopaths and naturopaths have law suits that are less than 1% of 1% of 1% of their figures. Less than \$10,000 has been spent on malpractice concerning homeopathy in ten years. So a thermodynamic philosophy does not explain or account for biology, but it does make large profits for *in vitro* thermodynamic chemists. The motivation of such corporations is often for profit, not healing.

The topics in this book hallmark the pinnacle of modern science through quantum physics and chemistry; all of chemistry depends on the quantic theory and the filling of the quantic valances. Thus chemistry becomes a very precise science, as we know that atoms tend to try to fill their quantic shells. Still, modern medicine resists this type of theory and depends on allopathic, synthetic chemical pharmacology, which is deeply entrenched in thermodynamic theory.

It must also be pointed out that homeopathy and naturopathy are legal entities within the United States. It is this researcher's experience, presented in lectures on these different theories, that many people feel that naturopathy and homeopathy are illegal and cannot be practiced in the United States. This is not true. *Homeopathy is legal*, and the FDA has created an entity known as the HPUS (Homeopathic Pharmacopeia of the United States). This completely allows for the legal practice of homeopathic, energetic medicine techniques. It allows for the control of manufacture and dispersing of these homeopathic pharmaceuticals under the guidance and control of the FDA. The proven science of homeopathy also offers practitioners of modern medicine thousands of items in the forms of nosodes, sarcodes, allersodes, isodes, combinations and others, to help the body heal naturally.

HOMEOPATHICS

1. Classical-- very symptom-specific
2. Nosodes-- used to stimulate body defenses
3. Sarcodes-- used to prompt proper tissue building or to compensate for tissue destruction
4. Allersodes-- used to desensitize immunoglobulin or antibody reactions
5. Isodes-- as in hormesis, used to prompt organism healing and recuperative powers
6. Combinations--- a preparation blender for grater success in safety and broader-base effectiveness

The research of homeopathy is the research of *in vivo*, which results as we study the human reaction to compounds and stressors in their environment. How we can use various entities to cure the body by producing a body reaction is studied. System reaction is researched *in vivo*, not chemical *in vitro* reactions.

The science of homeopathy is truly the science of quantic interaction; of studying *in vivo* results in the system. For a longer treatise on homeopathy and a discussion of the experimental modalities of its action, see the *Natural Repertory* of Dr. Nelson.

Another problem that holds back homeopathy and naturopathy is the existence of those who do not understand the *in vivo* technology, and try to apply the *in vitro* technology of synthetic chemicals to homeopathics and naturopathy. Thereby what they do is attempt to take synthetically-made vitamins such as B-1, B-2, vitamin C, etc., and apply *in vitro* philosophy to the body. Thus if a scientist finds in the test tube that B-6 has a certain reaction on serotonin production, a lot of fake naturopaths will run off and start encouraging B-6 as a calmer, assuming that the ingestion of B-6 in the human body will manufacture the serotonin, as it did in the test tube.

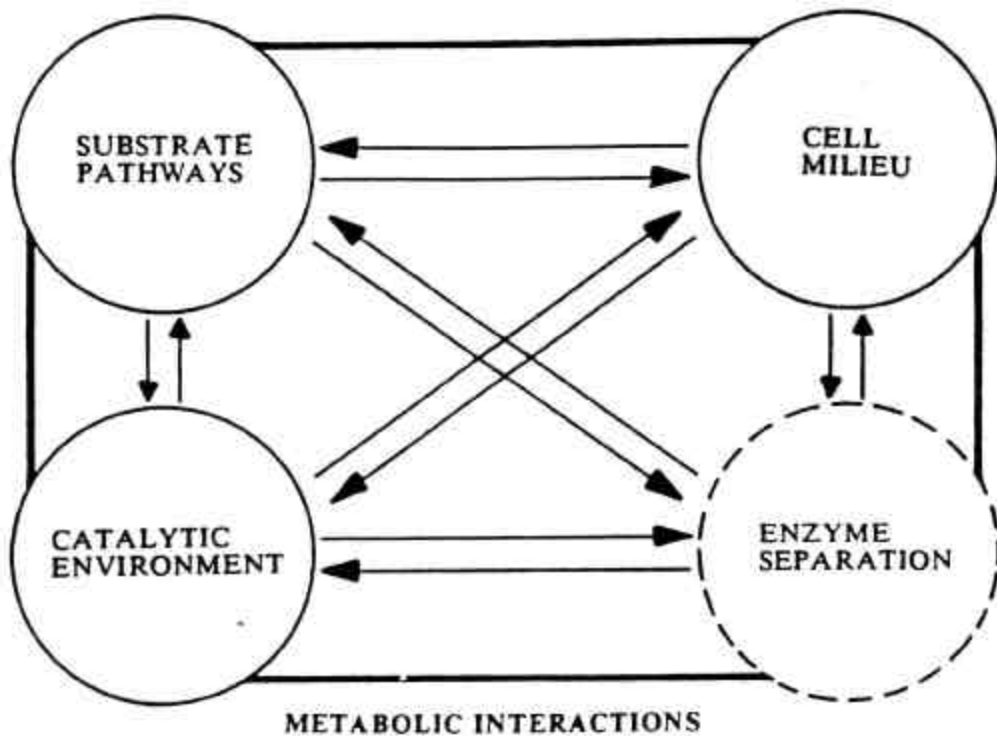
The *in vitro* synthetic chemical philosophy is so pervasive in the United States that it becomes contagious. Many so-called natural practitioners utilize these theories and misconstructions to jump into production of amino acids and other synthetic compounds, and put them into patients' bodies, without true *in vivo* testing. This is neither indicated, encouraged nor condoned within true naturopathic and homeopathic philosophy; yet, even in naturopathic schools in the United States, synthetic pharmaceuticals (synthetic vitamins) are taught, and often encouraged.

It is the hope of this book that perhaps natural philosophy and *in vivo* testing, using naturally-occurring food supplements and herbals, can become the hallmark of medicine, and of naturopathy and homeopathic philosophy.

We hope that the American people will realize that they have a choice in health care, and that their choice might be homeopathic and naturopathic. We also encourage people to make the choices of naturopathic physicians and homeopathic physicians, and hope that they choose wisely. The choice of a physician whom you believe to truly stand for natural and homeopathic philosophy can be a misleading one. Many practitioners will still use synthetic vitamins in large, unnatural amounts, which violate the laws of nature and enter statistical dynamics. So the choice of a practitioner can be very difficult. The Academy of Applied Bio-Quantum Technologies in New Mexico can help in the choice; they can recommend practitioners who are truly trained in natural quantic homeopathics and naturopathy.

Thus to stay alive, we must remain quantic and indeterminate, and influence our indeterminacy. We must fight against entropy and against thermodynamic conditions. If an organism loses its fight against thermodynamics, it will fall into statistical dynamics and thermodynamic control. This means that the organism will now obey the first and second laws of thermodynamics, and lose its body temperature. The molecules within the cells will go into Brownian motion. So each of our cells must fight against the statistical flow of thermodynamics.

The command center that fights this entropy are the DNA molecule and its RNA assistants. The DNA molecule will control the process and the interaction through its enzymes and the manufacturers of proteins, the fat and carbohydrates, and the utilization of the energy and the metabolism.



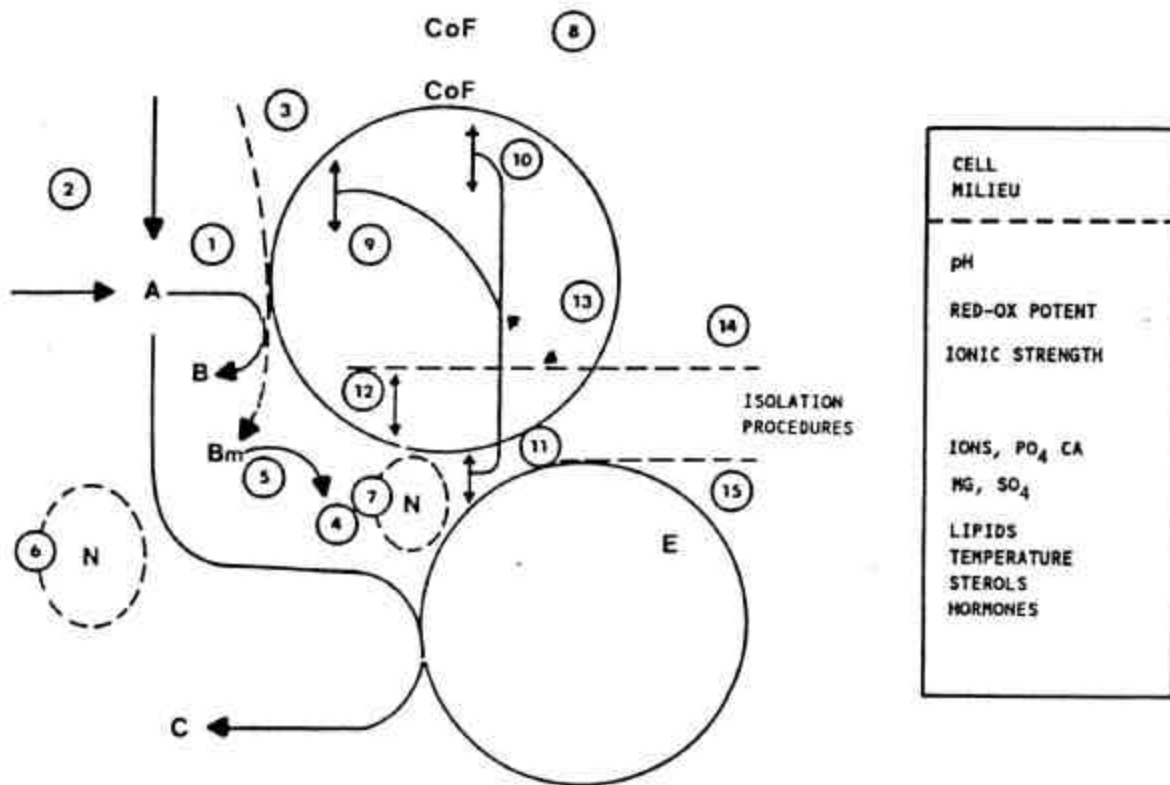
This DNA is the so-called 'captain' of the ship. When a new captain comes into a ship in the Navy, he'll tell the men to tote that barge and lift that bail. He'll come in and tell everybody what needs to be done and how to do it, that the ropes need to be coiled a certain way, that the mast has to be maintained a certain way, and that the decks have to be swabbed at a certain time. This control maintains the preciseness on the ship. Gradually, as the captain gets to be more familiar with his men, he'll start to weaken his control. The decks don't have to be swabbed at exactly the right interval. The ropes might not be coiled exactly as they were before... and gradually, the captain starts to lose control, and the ship goes into a process of entropy. The Navy's solution is to bring in a new captain. The Navy oscillates captains among its ships at regular intervals, just as churches oscillate priests and pastors to help bring control to the paritioners. And in a democracy we have regular elections, to bring in new politicians to control and regulate the affairs of the state.

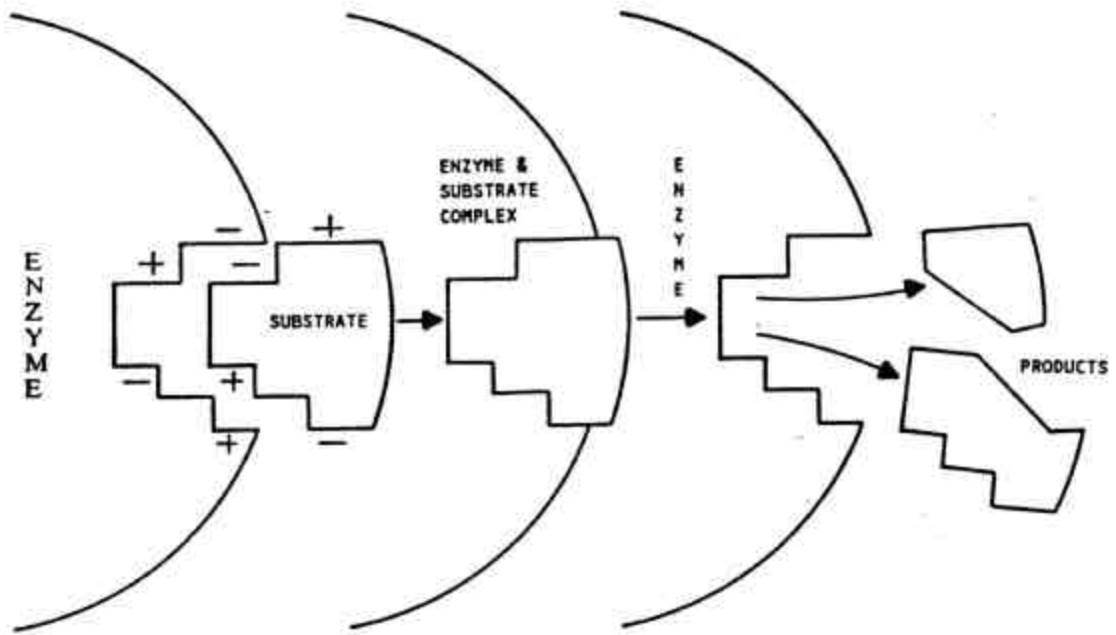
As DNA starts to lose its battle in the entropy process, biology must have a solution: formulation of a new DNA. The old strand of DNA is cleaved, replicated, and through a process of transition, becomes two new strands of DNA. This process is called *mitosis*, and allows the DNA to be immortal. In the definition of life, a cell must metabolize and reproduce. Metabolism takes up 90% to 95% of the life process, and the reproductive process takes up about 5% of the life cycle.

Clark and Marcus (1956) showed that DNA synthesis occurs during only about 5% of the life cycle in mammalian cells.

Metabolic interactions within the cell can be divided into four groups: substrate pathways, cell milieu, catalytic environment, and enzyme separation techniques. Substrate pathways tell us about the concentration of pathways of chemical conversions with relatively small molecules. The cell milieu refers to the physio-chemical properties of the solution; that is, the cytoplasm, etc., and the chemical conditions where the interactions take place. The catalytic environment, introduced by Grisolia in 1964, refers to the enzyme behavior during its catalytic action. This includes the plastic-elastic concept at the active sites of the enzymes, plus the contribution of the secondary and tertiary structure of the protein, the states of aggregation of various subunits, and the possible energy transfer mechanisms over the protein and its surface. Thus the enzyme should not be regarded only as a passive partner in reactions. Through enzyme separation techniques, enzymes are separated and prepared for reutilization.

The figures show a more complex interaction of these events.





SUMMARY

1. ***IN VITRO* TESTING IS DRASTICALLY INADEQUATE COMPARED WITH *IN VIVO* TESTING. *IN VIVO* TESTING IS LIMITED BY OUR TECHNOLOGY AND THE INDETERMINACY PRINCIPLE.**
2. **BIOLOGY IS HIGHLY DEPENDENT ON BALANCING MILLIONS OF SUBTLE FACTORS ON A CELLULAR AND ORGANISMIC LEVEL.**
3. **ALLOPATHY RADICALLY UPSETS THIS BALANCE AND HOMEOSTASIS. BY BASIC PHILOSOPHY ALLOPATHY CANNOT CURE. ALLOPATHY AT ITS BEST CAN SEDATE, COVER UP, OVER-STIMULATE, REMOVE, OR IMPROPERLY INTRUDE ON A COMPLEX CYBERNETIC CONTROL SYSTEM.**
4. **HOMEOPATHY WORKS BY RE-REGULATING THESE CONTROLS SO THE PATIENT CAN HEAL THEMSELVES.**
5. **THE MINIMAL DOSE MEANS THAT EXTREMELY SMALL AMOUNTS OF AN ITEM CAN HAVE PROFOUND HEALING EFFECTS (NOT *IN VITRO* BUT *IN VIVO*).**
6. **NATURALLY-MADE ITEMS SUCH AS HERBS, GLANDULARS, AND PLANTS HAVE MORE DRAMATIC ENERGY AND SUBTLITIES BEYOND SINTHETICALLY-MADE PHARMACEUTICALS.**
7. **ALLOPATHIC MEDICINE USES ANTIQUATED CONCEPTS OF STATISTICAL CHEMICAL DEMAND AND IS IRREGULAR TO HEALING. ALLOPATHY BUILDS AND FOSTERS DEPENDENCE.**
8. **HOMEOPATHY AND ENERGETIC MEDICINE ARE TRULY THE MOST SOPHISTICATED MEDICINES USED TODAY.**
9. **"FIRST DON'T HURT" INDICATES A NEW, INVASIVE, DIAGNOSTIC TECHNIQUE SUCH AS ENERGETIC MEDICINE.**
10. **"FIRST DON'T HURT" DICTATES A SOFT MEDICINE FOR PRIMARY USE, SUCH AS HOMEOPATHY.**