

# Environmental Physics

The basic laws of physics and the laws of nature are the same. The conservation of matter-energy is as applicable to subatomic particles as it is to the biosphere. The laws of physics (nature) tend to be conservative. That is only the least amount of energy or least action is necessary for superstring interplay or the retention of energy by a large predator saving its strength for the kill. We humans are also bound by these same laws. The laws of nature are inextricably tied to the basic laws of common sense.

When the laws of physics break down, the universe ceases to exist. When the laws of nature are violated, death and suffering are results. The breakdown of the laws of physics occur in the fractal dimensions between the singularity of real time and the first spatial dimension of the Plank mass/superstring. The breakdown is one of degrees of fractalization. This may occur in the centers of black holes (galaxies). The violations of the laws of nature happen in the multi-dimensions of spacetime. Here too the violations occur in varying degrees and the resulting death can be as slow and painful as to the extent of the violation. Human behavior is as bound to the laws of conservation of life as strongly as the gravity that holds our feet to the ground and the nuclear forces that bind our atoms together. One cannot live well and abuse nature and/or ourselves. Every single time we violate the conservation of energy we suffer. Even the simple act of swatting a fly for no reason or slothful inefficient behavior in the workplace creates a chain of events that will correspond directly back to us in an equanimitically life threatening way. The rules of karma are based on these same laws. However the effects of karma happen during our lifetime not in some nonsensical future apparition. We will continue to suffer during our lives until such abuse is rolled back and stopped.

Before we go into a detailed discussion of how and why we abuse ourselves and our environment, the consequences of our actions, and what must be done in order to insure our survival, we should first understand our basic individual and inalienable rights. These rights are also obligations.

- 1.) We have the right/obligation to live.
- 2.) We have the right/obligation to die.
- 3.) We have the right/obligation to choose which path to take.
- 4.) We have the right/obligation to accept the consequences of our actions.

The laws of humans still violate most of these natural rights. We do not in society have the right to live. There is little or no healthcare, adequate housing, or clean food and water supplies. It is against the law of most societies to die. We cannot commit suicide or indulge in artificially illicit plant/drug use. Although ironically people do commit suicide by themselves but have a hard time having it

assisted. We also commit suicide by slow poison with our toxic water and air; toxic, fatty and sugary food; various drugs; tobacco, and alcohol.

We don't have the right even to make free choices. Drugs, tobacco, alcohol, sugar, unhealthy foods and lifestyles, religious and political dogmas, are pushed on our children and us in more and more sophisticated ways. Violence is glamorized, sex is dehumanized, and materialism is glorified as the purpose of life itself. Money can't buy happiness, yet the accumulation of monetary wealth has become the main goal of our society over and above the many other things that do satisfy us and bring us joy, like family, friends, and good health. Ignorance is rewarded and those of us who seek information are persecuted by the mass hysterics. We are also taught not to take responsibility for our actions or accept the consequences. Many cultures and individuals continually blame others for their own shortcomings. We are told that it was coincidence, divine or undivine intervention, or just plain luck that made stuff happen. All these excuses only mean one is just ignorant of why something happened. Other common excuses for violating the laws of nature are, it wasn't my fault; someone made me do it; or I don't care, let someone else deal with it. These and other ignorant/stupid remarks are rampant in all societies.

The result of the violation of these rights/obligations and the laws of nature reflect on the quality and quantity of life each individual possesses. The degree of each violation relates directly to our and our offspring's health and duration of life. Our ignorant actions do not have any bearing on going to heaven or hell or any reincarnation, despite wishful thinking. But they hurt us during our own lifetimes and/or are passed down to our offspring in the environmentally mutated genes we develop. The misery we cause today can curse future generations as well as make our own lives intolerable.

On the other hand, actions which obey the laws of nature and respect everyone's basic rights enrich our existence and insure that the future generations achieve higher and higher standards of living based on the satisfaction one feels from being healthy and happy with ones situation. The laws of evolution demand the adaptability of a species for its survival to obey to the best of their ability these laws. Since our planet is only a new one following age-old patterns we will more and more follow the laws of nature with each and every passing second and our lives, as they have for centuries will, despite whatever currently ails us, continue to improve for us and into the future.