



3-4) The Ten Commandments
Physical Wisdom
Earth

3-4-1) The Ten Commandments of the Universe – 1

by Astronomy Magazine

1. Conservation Theory. Energy and mass in the universe cannot be created or destroyed, but can be interconverted.
2. Entropy Theory. Entropy, the direction of matter going from order to disorder over time, increases spontaneously. Nature is dissipating over time. Improvements, syntheses, organization, and growth require energy at the expense of the environment.
3. Quantum Theory. Activity is the product of energy and time.
4. Radiation Theory. Disintegration of mass is a first-order reaction. Fission applies mostly to large atoms while fusion applies mostly to small atoms.
5. Particle Theory. Particles with mass (such as electrons, protons, and neutrons) give rise to atoms (such as hydrogen, oxygen, and carbon), which give rise to molecules (such as water, quartz, and DNA), which give rise to chemical systems (such as minerals, plants, and animals), which give rise to the universe of objects (such as Earth, stars, and galaxies).

3-4-2) The Ten Commandments of the Universe – 2 by Astronomy Magazine

6. Evolution Theory. Combinations of the kinetic molecular theory, the chirality principle, and the laws of genetics lead to life and the development of species with both inheritance and variation, due to heredity and mutation.
7. Relativity Theory. The notion of space-time (simultaneous, consecutive, and complementary events) is defined from the perspective of the observer.
8. Psychological Theory. Respect for nature is mandated, especially for life and particularly for humans.
9. Behavior Theory. There's satisfaction to be gained by helping others toward happiness, which is usually reciprocal in bringing happiness in return.
10. Ethical Theory. For a worthwhile existence, we must strive to maximize freedom with responsibility and find fulfillment in peace with love.

3-4-3) The Ten Commandments of Earth

by Ernest Callenbach

1. Thou shalt love and honor the Earth for it blesses thy life and governs thy survival.
2. Thou shalt keep each day sacred to the Earth and celebrate the turning of its seasons.
3. Thou shalt not hold thyself above other living things nor drive them to extinction.
4. Thou shalt give thanks for thy food to the creatures and plants that nourish thee.
5. Thou shalt limit thy offspring for multitudes of people are a burden unto the Earth.
6. Thou shalt not kill nor waste Earth's riches upon weapons of war.
7. Thou shalt not pursue profit at the Earth's expense but strive to restore its damaged majesty.
8. Thou shalt not hide from thyself or others the consequences of thy actions upon the Earth.
9. Thou shalt not steal from future generations by impoverishing or poisoning the Earth.
10. Thou shalt consume material goods in moderation so all may share Earth's bounty.

The Ten Commandments

The End

