

Corrections for a Life Science Textbook:

Biggs, A., Daniel, L., Ortleb, E., Rillero, P., Zike, D. *Life Science*. Glencoe Science, McGraw Hill Glencoe. Florida Edition. 2006. ISBN: 0-07-873325-1.

The purpose was to review for scientific accuracy the pages of this textbook devoted to the concepts of spontaneous generation and its sequel, evolution.

Page 20. Figure 14. Visualizing the Origins of Life. This figure needs correction because it confuses and misleads the student. As it says, Francesco Redi did prove that maggots hatched from flies' eggs and were not spontaneously generated as was previously believed. What it leaves out is that Redi also proved that there was no evolution because the fly that hatched from the maggot's pupa was the same kind of fly that laid the eggs. What the figure leaves out prepares the student to be led astray. To prevent that, a brief history of evolution seems needed.

A brief history of evolution. A brief history of evolution seems needed and is recommended for page 20 and the following on evolution. On page 20, Figure 14 leaves out the fact that the ancient Greeks believed the vitalism of their goddess, Gaea (the Earth personified), caused the spontaneous generation of the maggot and the maggot's evolution to the fly. In 1668, Redi documented these historical facts and leaving them out prepares the student to be misled into a modern version of spontaneous generation and evolution. It is recommended that these documented facts be included in the brief history of evolution.

The modern version of spontaneous generation is Oparin's idea that heat and lightning would make organic chemicals which would wash into the ocean and make a "primordial soup." From the organic soup would spontaneously hatch the first living cell, which would spontaneously evolve to all higher life forms. This is the same old Greek idea of the Earth, now with its heat and lightning instead of Gaea, spontaneously generating lower life that will spontaneously evolve to higher life.

We know this is the old Greek idea because the Stanley Miller and Harold Urey experiment could not even create one functional protein and certainly not any of the fantastically complex protein machinery for a living cell. The Oparin-Miller-Urey attempt to spontaneously generate life failed worse than the old Greek idea. At least Gaea was imagined to create a maggot and evolve it to a fly. Oparin-Miller-Urey could not even imagine a simplest protein to function in the simplest bacterium.

Like everything made by humans, the earliest historical records assumed life was created. However, the Greek, Anaximander (611-549 B.C.), imagined

this planet without life in primeval times. He then imagined the spontaneous generation of the lowest forms of life. By struggle, he imagined the lowest forms evolved to the highest forms of life. The highest life forms by the same kinds of struggle devolved back to the lowest forms, then to extinction. Then, he imagined the cycle repeating itself indefinitely.

The observations of maggots suddenly appearing on meat seemed to support Anaximander's idea of spontaneous generation. The observation of the maggot forming a pupa, then hatching as a fly seemed to support Anaximander's idea of a lower life form, the maggot, evolving into a higher life form, the fly.

With the aid of the recently invented microscope, Dr. Francesco Redi in 1668 discovered the tiny eggs from which the maggots hatched. There was no spontaneous generation. With his detailed drawings, Redi showed that the fly that hatched from the pupa was the same kind of fly that laid the eggs. There was no evolution. There was only reproduction by the metamorphosis of the larva.

Michel de Montaigne (1533-1592) noticed that all human faces were different. For the nonviable realm, Wilson Bentley (1865-1931) photographed 5,381 snowflakes without finding a duplicate pattern. Those observations suggested that the entire planet is composed of originals for the environment and for every living thing. The wide range of originality amongst life forms provided for the survival of some individuals regardless of the environmental extremes. That in turn provided for the survival of the individual's population because each individual carried the genetic information for the wide range of originals as expressed in that population. The population in turn provided for the survival of each generation of individuals without the need to wait the long periods of time for struggle to make Anaximander's imagined biological changes.

Survival at the population level is provided by the interdependence of the communities of populations given their sharing of metabolic byproducts. For example, the populations of plants consume carbon dioxide while producing oxygen as a byproduct. Animals consume oxygen while producing carbon dioxide as a byproduct. As originality provided for the survival of individuals, so the sharing of byproducts provided for the survival of the individual's population and therefore its future generations.

The community of populations is called the biosphere. The biosphere survives on a network of byproducts from its many original populations. That network required boundaries for the originalities expressed in each population. For example, dogs could be vastly original structurally and functionally, but they had to stay dogs. They must never become cats or any other kind of animal. There could be no wandering of individuals into the domain of another life form or into a new domain. If there was wandering, then the balance of byproducts could be upset jeopardizing the survival of the biosphere and all of its populations and all

of their individuals.

Anaximander's spontaneous generation and evolution imaginings can never be observed and therefore can never achieve the status of science. Unlike Anaximander's and other's imaginings, the law of biogenesis, life only from life, is science because it has been observed without exception by billions of observers for thousands of years. The law of omnipresent, bounded, omniscient originality of plants and animals also is science because it has been observed without exception by billions of observers for thousands of years. The law of the interdependence of the populations in the biosphere also is science because it too has been observed without exception by billions of observers for thousands of years. Keeping in mind that brief historical background fortified with proven biological laws, let us return to the textbook, Life Science.

Textbook science analysis. Page 21. "Oparin's hypothesis." This was not a hypothesis. This was a ploy to cook the ingredients to create amino acids and thereby suggest that life evolved in that fashion. An analogy would be to put flour, yeast, and water in a bread machine to prove that bread evolved that way on the early Earth. Studies have shown that the early Earth's atmosphere had oxygen and Oparin's recipe in Miller's apparatus explodes in the presence of oxygen. Other reasons from organic chemistry prevent this ploy from succeeding. The Oparin-Miller-Urey ploy is a good examples of anti-science masquerading as science, and it merits explanation as an anti-science ploy or it merits omission.

Page 23. Correction: Omit phylogeny. Ernst Haeckel's "great biogenetic law, ontogeny replicates phylogeny," was exposed in the journal, Science, as the most famous fraud in biology.

Page 25. Omit "Second, organisms with similar evolutionary histories are classified together." There has never been any evolutionary history of any kind because all history is devolutionary, the exact opposite and excluder of evolution.

Page 26. Omit "Dichotomous Keys." The progeny of every organism are an array of bounded originals. To refer to "species" with "dichotomous keys" misleads the student into believing a group of the originals is tending toward another life form. Replace with, "All progeny are originals within the boundaries of their respective life form."

Page 31, Section 3, 1, replace "the theory of spontaneous generation" with "the ancient imagined idea of spontaneous generation."

Page 31, Section 3, 2, replace "Pasteur's experiment proved biogenesis," with "Redi's experiments and the consistent observations of billions of people for thousands of years proved biogenesis, life only from life."

Page 31, Section 4, 2, "Scientists today use phylogeny to group organisms into six kingdoms." Substitute, "Scientists do not use phylogeny, which means evolution, to group organisms because evolution is ancient superstition. Scientists

use kinds to group organisms.”

Page 31, Section 4, 3, “All organisms are given a two-word scientific name using binomial nomenclature.” Those names infer the evolution superstition, therefore substitute, “Organisms may be given a two-word latinized name.”

Page 32, 1-10. For these definitions, the student needs to be aware that a speculation must be harmonious with the laws of physics, chemistry, and biology. If not, then it is fantasy. And if the fantasy is not merely wrong but is the exact opposite of reality, then it is an inverted fantasy. Evolution is an inverted fantasy because the entire universe devolves, the exact opposite of evolves. Of course, evolution also violates all of the laws of science and therefore cannot qualify as a speculation. A speculation confirmed by an experiment is a hypothesis. Evolution cannot qualify as a hypothesis because it does not have a successful experiment to its credit. As an inverted fantasy, it would be impossible for evolution to have a successful experiment to its credit. A hypothesis qualifies as a theory if there have been many successful experiments and no failures to its credit, and if all disproof experiments have consistently failed. A theory becomes a law after many years of consistently successful experiments, and many years of consistently unsuccessful disproof experiments, by many investigators worldwide. A law may become a fact after many decades as a thoroughly tested law. Evolution cannot qualify as a theory or a law or a fact because again it violates the basic laws of science and of course has no successful experiments.

Page 32, 15. “Who finally disproved the theory of spontaneous generation?” The choices are (A) Oparin, (B) Aristotle, (C) Pasteur, (D) Miller. Spontaneous generation was not a theory, it was a Gaea superstition. And it was Francesco Redi, not Pasteur, who disproved the Gaea superstition of spontaneous generation as well as the superstition of evolution.

Page 35, 13. “After a rain storm, earthworms may be seen crawling on the sidewalk or road. How would the theory of spontaneous generation explain the origin of the worms?” Spontaneous generation is a superstition, not a theory, and of course does not document the fact that the worms emerged from the saturated earth.

Page 35, 18. “Some scientists think that lightning may have caused chemicals in the Earth’s early atmosphere to combine to begin the origin of life. Explain how the experiment of Miller and Urey does not prove this hypothesis.” There was oxygen in the early Earth’s atmosphere and that would have caused the Miller-Urey experiment to explode. Further, the laws of physics and chemistry would have had to be violated to create a protein or a living cell in the Miller-Urey apparatus. Miller-Urey did not test a hypothesis, nor a speculation. They devised a fantasy, a ploy.

Page 66, paragraph 1. “What are these things made up of? You’re right if

you answer ‘matter and energy.’ ” Matter is a form of energy. The entire universe is composed of energy. That fact is important in order to understand the Event Law, which states that every event, past and present and future, must be a devolutional event. There never has been and never will be any evolution event.

Page 72, “Some scientists hypothesize that life began in the water of the Earth’s early oceans.” No scientist could hypothesize that life began in the water of the early oceans because that ancient Greek superstition violates the basic laws of physics, chemistry, and biology.

Page 152, Chapter 6. “Adaptations over time. Chapter review. 1. Ideas about evolution.” Evolution was proven Gaea superstition in 1668 by Francesco Redi.

Page 152, 2. “Clues about evolution.” The most significant clues about evolution are that it has (a) no successful experiment, (b) infinite disproof experiments, and (c) a history as a Gaea superstition to explain the incomplete observations for metamorphosis.

Page 152, 3. “The evolution of primates.” There is no evidence that primates or any other life form ever evolved. There is infinite proof that all living things and the entire universe devolve, always have and always will.

Page 152. “Adaptations over time.” Adaptation means “a change in structure or function or form that produces better adjustment of an animal or plant to its environment.” The adaptation concept focuses the student’s attention on the environment thereby erroneously suggesting that the environment is the cause of the adjustment. In fact, the environment is impotent. All of the adjustments are from the dynamically mega-engineered mechanisms within the organism that continuously sample and adjust to the environment. The range of sampling and adjustments are limited by the genetic endowment of the organism and no pattern of environmental challenges can change the endowment.

The trend for genetic endowments is downward as documented by the accelerating increase in new human genetic disorders. The finger of time for all life forms is downward, and that is devolution. All individuals age and die and likewise all populations increase in genetic disorders and become extinct. Nothing viable or nonviable evolves. Every event is a devolutional event.

Page 153. “Adaptation for a hunter. The cheetah is nature’s fastest hunter.” There was no adaptation for the hunter, the cheetah. Every cheetah has a different fur pattern, different iris pattern, different paw print, different anatomy, and different physiology. That vast originality is what allows some to survive no matter what the environmental conditions are. That is also what allows the population to survive because each individual carries the genetic information to reproduce the ranges of originalities for their population. Survival cannot wait millions of years for “evolution.” Survival must occur in each generation and does

so by the mechanism of vast originality as manifested by each individual and as carried by each individual for its population.

Page 154. “What you’ll learn. Describe Lamarck’s hypothesis of acquired characteristics and Darwin’s theory of natural selection.” Acquired characteristics cannot qualify as a hypothesis because it has no successful experiment. Acquired characteristics could not even qualify as a speculation because it violates the laws of biology. For example, it was known for thousands of years that the wounds of parents were not inherited by their children. Besides Lamarck, Darwin also proposed the inheritance of acquired characteristics in his *The Origin of Species: Or the Preservation of Favored Races in the Struggle for Life*, 1859. The imagined inheritance of acquired characteristics could not qualify as science because it violated the universal biological law that the changes in the bodies of parents were not inherited. That fact qualified Darwin as well as Lamarck as anti-scientists.

Page 154. “Describe Darwin’s theory of natural selection.” Darwin’s theory of natural selection could not qualify as a theory or a hypothesis because it had no successful experiments. It could not qualify as a speculation either because all of the breeding experiments never created a different kind of animal or plant. For example, the breeding of dogs demonstrated an enormous variability, much greater than can be found in the wild, yet never produced any other kind of animal. Like dogs, every life form is bound to be limited to its kind regardless of its reproductive lineage. Without experiments to the contrary, natural selection violated that biological law and therefore could not qualify even as a speculation.

Page 154. “Identify why variations in organisms are important.” The variations never produced a duplicate and therefore variation is an inaccurate descriptor. It should read, “Identify why originality is important.” The answer is because it is the key to survival. Within its kind, the range of originals is so vast that some are bound to survive regardless of the environmental conditions.

Page 154. “Compare and contrast gradualism and punctuated equilibrium.” There is no gradual change from one kind of animal or plant to any other. There never has been documented any jump to any other life form either. Therefore, punctuated equilibrium, like gradualism, is pure anti-science imagination.

Page 154. “Why its important. The theory of evolution suggests why there are so many different living things.” Evolution cannot qualify as a theory or a hypothesis or a speculation because it has no successful experiments and violates the laws of physics, chemistry, and biology. Evolution does not suggest why there are so many unrelated living things with no way to transition from one kind to another. The evidence instead suggests the simultaneous creation of all living things in an interdependent biosphere that guarantees the continuous survival of the community of populations and their individuals. The evidence suggests the

exact opposite of evolution which adds to the certainty that evolution is an inverted fantasy, an anti-science.

Page 154. “New vocabulary. Species. A species is a group of organisms that share similar characteristics and can reproduce among themselves to produce fertile offspring.” This is a nonexistent idea to support the nonexistent anti-science, evolution. A dachshund cannot mate with a Great Dane, but they are not different “species.” They are breeds of dog that demonstrate the vast range of originals expressed in the reproduction of each kind of plant and animal. “Species” misrepresents vast originality to prop up the anti-science of evolution and needs to be omitted.

“Evolution” is the anti-science superstition derived from the Gaea religion from the flawed observation of metamorphosis. It merits omission.

“Natural selection” is the nonexistent anti-science mechanism invented to transform an organism into another kind of organism. It also merits omission.

“Variation.” Variation is a misrepresentation. It is not variations. It is originals and the vast array of originals is expressed reproductively by all organisms as an immediate means of survival for each generation. Billions of observers have confirmed this for thousands of years. Evolutionists cannot admit originals because that would eliminate natural selection, micro-evolution, species, and the whole concept of evolution. Originals must be substituted for variation.

“Adaptation” is “a change in structure or function or form that produces better adjustment of an animal or plant to its environment.” The adaptation concept focuses the student’s attention on the environment thereby erroneously suggesting that the environment is the cause of the adjustment. In fact, the environment is impotent. All of the adjustments are from the dynamically engineered mechanisms within the organism that continuously sample the environment and accordingly make adjustments within the organism. The range of samplings and adjustments are limited by the genetic endowment of the organism and no pattern of environmental challenges can change the endowment. Those facts must be made clear.

“Gradualism” is the nonexistent anti-science that suggests an organism may transform gradually to another organism. The only gradual transformations observable are from aging to death, from population decline to extinction. Gradualism merits omission.

“Punctuated equilibrium” is the nonexistent anti-science that suggests an organism may transform to another organism by jumping over all the intermediate forms. The only jumping transformations observable are from living to sudden death, from extant to sudden extinction. Punctuated equilibrium merits omission.

Page 154. Figure 1. “By studying fossils, scientists have traced the hypothesized evolution of the camel.” There is no objective, valid, reliable, and calibrated evidence to support the fictional pictures shown or the ages of the skulls shown. There is no test, like An Objective Ancestry Test for Fossil Bones, that can distinguish skulls from juveniles, adults, old age, or the vast range of variation expressed in reproductive originals. For example, dogs have a cranial capacity range of about 395% (Lindsey, p. 120). Evolution cannot qualify as a hypothesis because it has no successful experiments. Evolution cannot qualify as a speculation because it violates the laws of science and was founded on Gaea superstition from flawed observations of metamorphosis. Figure 1 promotes anti-science and should be replaced, for example, by photographs of the arctic fox in its white winter coat side-by-side in its gray spring coat to match the tundra environment. These are genetic reserves the arctic fox expresses for its entire lifetime, they were engineered into the biology of the fox, and are scientific because they may be observed with innumerable casual observations or formal experiments. The rock ptarmigan also demonstrates these cyclical genetic reserves. This fiction about camels merits omission.

Page 154. “Discuss the changes you observe in camels over time.” The student is misled into believing the anti-science fabrications of Figure 1 are observations. This destroys the student’s ability to distinguish fiction from science and needs to be expunged.

Page 155. Figure 2. “This map shows the route of Darwin’s voyage on the HMS Beagle.” Darwin’s voyage should be replaced because Darwin plagiarized the Greek Gaea metamorphosis superstitions in an attempt to turn science backward 2,000 years. The map should be replaced with the experimental apparatus of Francesco Redi that advanced biology into the scientific age. The experimental apparatuses of Pasteur and Tyndall proved beyond any doubt that spontaneous generation and evolution are Gaea superstitions. Lister applied Pasteur’s findings to medicine thereby alleviating the suffering of many of the ill and injured, a noble application of pure science that should be held up to the students to emulate. These true and constructive facts of science should replace the map.

Page 155. “Hypothesis of acquired characteristics.” This cannot qualify as a hypothesis or a speculation because it violates the consistent observation of billions of observers for thousands of years that changes in the bodies of parents are not inherited. Darwin also disgraced himself scientifically by using this anti-science concept in his *The Origin of Species: Or the Preservation of Favored Races in the Struggle for Life*, 1859. This is anti-science and needs to be expunged.

Page 155. “Darwin’s model of evolution.” This is anti-science based on the

Gaea superstitions of the flawed observations of metamorphosis and needs to be replaced by the bona fide science of Redi, Pasteur, Lister, and Tyndall. The observations during the voyage of the Beagle are well within the vast originalities expressed in reproduction, which are the true mechanism for survival.

Page 156. "Figure 3. Darwin observed that the beak shape of each species of Galapagos finch is related to its eating habits." The beak shapes have a smaller range of variability than the mouth shapes of dogs like the bulldog, the dachshund, the Great Dane, and the St. Bernard. The mouth shapes of dogs are not determined by their eating habits. The vast originality expressed in every litter of dogs determines their survivability, including their eating habits. The eating habits do not determine the vast originality. And so it is with finches and all other life forms. This figure needs to be replaced by a picture of the vast originality of the various breeds of dogs or horses with emphasis on the fact that the vast range of originalities is the key to survival, immediate survival with no need to wait for evolution's fictional thousands or millions of years after the death of the individuals, or the extinction of the population, or the extinction of the entire biosphere.

Page 156. "Natural selection." Darwin imagined natural selection to bring forth a different animal. This imagination cannot qualify as a theory or a hypothesis because it had no successful experiment. It cannot qualify as a speculation either because all of the breeding experiments, which were much more potent at demonstrating originalities, never created a different kind of animal or plant either. For example, the breeding of dogs demonstrated an enormous range of originals, much greater than can be found in the natural selection of the wild, yet never produced any other kind of animal. Like dogs, every life form stays within its own boundaries regardless of its reproductive lineage. Without experiments to the contrary, natural selection violated that biological law of fixed kinds and therefore could not qualify even as a speculation.

Page 156 merits omission.

Page 157. "Darwin's Theory." Darwin's ideas became known as the theory of evolution by natural selection." Darwin had no theory, no hypothesis, no speculation. He had only the plagiarized ancient Greek Gaea superstitions on flawed observations of metamorphosis. There is no such thing as evolution by natural selection.

Page 157. "Table 1. The principles of natural selection. 2. Differences, or variations, occur among individuals of a species." The variations do not arise from natural selection. Species do arise from natural selection. Species is a misrepresentation of inbreeding or isolation which although more potent than natural selection still cannot cause a change to another kind of animal.

Page 157 merits omission.

Page 158. “Evolution of English.” Modern English has degenerated, that is devolved, since Shakespeare’s time. Devolution is the trend of the entire universe, including language. This needs correction.

Page 158. “Variation and adaptation.” “Adaptation” is “a change in structure or function or form that produces better adjustment of an animal or plant to its environment.” The adaptation concept focuses the student’s attention on the environment thereby erroneously suggesting that the environment is the cause of the adjustment. In fact, the environment is impotent. All of the adjustments are from the dynamically engineered mechanisms within the organism that continuously sample and adjust to the environment. The range of sampling and adjustments are limited by the genetic endowment of the organism and no pattern of environmental challenges can change that endowment. There is no evolution caused by the environment.

Variation. “A variation is an inherited trait that makes an individual different from other members of its species.” Every individual is an original and that originality makes the individual different in myriad ways from every other individual past, present, and future. The textbook definition of variation misrepresents the primary biological means for individual survival. This section should be revised to Omnipresent Omniscient Originality because that describes the entire universe, viable and nonviable alike.

Page 158 merits omission.

Page 159. Figure 5. Both strains of rabbit are well within the range of vast originality for rabbits. Although the captions do not say so, these strains should be able to breed. There is no reason to call them separate “species.” This figure is misleading and needs correction.

Page 159. Changes in the sources of genes. “Many kinds of environmental factors help bring about changes.” This needs correction because the source and control of the genes is in the life form, not in the environment. The life form continuously samples the environment and functionally adjusts to the extent that its genes and the other mechanisms of its tissues permit. This section needs correction.

Page 159. Geographic isolation. “Over several generations, variations that do not exist in the larger population might begin to be more common in the isolated population.” The isolated population can only lose genetic information, it cannot gain genetic information. Not the isolation, not the variations, not the environment, can cause it to gain genetic information. If two “species” cannot breed, then the cause may be the loss of too much divergent genetic information from the isolation. There is no way that any breed can gain genetic information from the environment.

Page 159. Mini Lab. Procedures 1 to 5. “Procedure 2. Add, subtract, or

change one letter to make a new word.” Procedure 2 is two-thirds false because the only change that relates to biology is the subtraction of a letter. All life forms can lose (subtract) information, there is no way to gain (add) information, and there is no way to change to something not genetically present. That is why the only possibilities to modify the original, “train,” are “rain,” and “in.”

Page 159. Analysis. 2. “How is this process similar to evolution by natural selection.” The answer is that it is not similar to evolution by natural selection. Evolution and natural selection are nonexistent and are the exact opposite of devolution and omnipresent omniscient originality which describe the entire universe, viable and nonviable alike. This section needs correction.

Page 160. Figure 6. “The hypothesized evolution of bears illustrates the punctuated equilibrium model of evolution.” Discuss how the six species on the far right are explained better by punctuated equilibrium.” Evolution cannot qualify as a hypothesis or even a speculation because it violates the laws of science and is exactly the opposite of how all biology and the rest of the universe operate. There is no “gradualism” and certainly no “punctuated equilibrium.” There are no species because inbreeding causes a loss, not a gain, in genetic information. Shown at the bottom of Figure 6, there is no evidence for a common ancestor. All of the scientific evidence indicates simultaneous creation of all fixed life forms in an interdependent biosphere with omnipresent omniscient originality for individual, population, and biosphere survival. This entire page needs correction.

Page 161. Punctuated equilibrium today. “For example, many bacteria have changed in a few decades.” The bacteria have not changed. They have not evolved a penicillin resistance. What happened was penicillin killed the susceptible bacteria and the resistant strains thrived because they no longer had to compete with the susceptible strains. The resistant strains were always reproductively expressed in the range of vast originality. There was no evolution. This section needs correction because much of it is misleading.

Page 161. Section 1 Review, Summary, Self Check, and Applying Math, need corrections according to the corrections from the beginning of Chapter 6, page 152.

Page 162. Lab, Hidden Frogs. “Adaptations include shapes, colors, and even textures that help an animal blend into its surroundings. These adaptations are called camouflage.” Shapes, colors, textures, and camouflage are from the biological engineering inside the life form. If not in the biology, then there is no way they can be expressed no matter what the environment does or does not do. As we may see amongst dogs or horses, the range of sizes and shapes and colors and textures is vast. Any of those originalities may be expressed in any generation because each individual will be an original never seen before and never seen again. That remarkable range of originals insures that some will survive regardless

of the environmental conditions. The remarkable camouflage and instantaneous changes of colors of the cuttlefish, for example, are from engineering within the cuttlefish, which continuously samples the environment and adjusts accordingly. The environment is impotent because it cannot add or subtract any of those capabilities. This section needs correction by directing the student's attention to the origin of the originalities within the organism. Evolution and organic changes arising from the environment are nonexistent Gaea superstitions and must be expunged. Page 162 needs comprehensive revision.

Page 163. "Clues about evolution." Once again, evolution is the nonexistent Gaea superstition from the flawed observations of metamorphosis. The evolution concept is anti-science and must be expunged.

"As you read. What you'll learn. Identify the importance of fossils as evidence of evolution." The fossil record is about different life forms that were fixed and had no capacity to transform to any other kind of life form. If life forms were not fixed and could wander to become something else, then the interdependencies of the biosphere would be disrupted, the communities of populations would be extinguished, and all of their individuals would die.

The interdependent design of the biosphere is based on the sharing of metabolic byproducts. For example, plants metabolize carbon dioxide and give off oxygen as a byproduct. Animals metabolize oxygen and give off carbon dioxide as a byproduct. *To live, the oxygen byproduct of plants is needed by animals and to live the carbon dioxide byproduct of animals is needed by plants. And so it is for the myriad of other byproducts of other various kinds of plants and animals.* The student needs to understand the basic biological fact that every life form is dependent upon the survival of the biosphere. And the survival of the biosphere is dependent upon the vast network of byproduct sharing amongst the entire community of animal and plant populations. Further, all life forms must be fixed because biological wandering would throw the entire interdependent network into chaos and likely would cause the demise of the entire biosphere, all populations, and all individuals.

Mankind is the only life form that has ever achieved the power to disrupt the biosphere and thereby extinguish all life. The student must realize that such an event would be permanent because no one knows how to make the simplest living cell, and certainly not an entire biosphere. Further, the Gaea superstition, evolution, has never produced any replacement for any of the many extinctions and never will. Abandoning superstitions, like spontaneous generation and evolution, and understanding the fact of the interdependence of the biosphere is more imperative than ever for the survival of all life.

Page 163. "As You Read. What You'll Learn. Identify the importance of fossils as evidence of evolution." Further, fossils provide no evidence of

evolution. All that fossils can show is similarities. Similarities are statistically known as correlations and, as every student of elementary statistics knows, nothing can be proven about one thing causing another with a correlation. For example, the correlation between a population of dachshunds and elephants would be high given that both populations have four feet, two eyes, two ears, a nose, a mouth, a digestive tract, warm blood, a heart, circulation, lungs, a bony endoskeleton, and so on. That high level of similarity cannot prove that dachshunds evolved into elephants, or that elephants evolved into dachshunds, or that anything else evolved into either one of them. All that correlations can show is the strength of a similarity with a mathematical score between 0.0 and 1.0. “Identify the importance of fossils as evidence of evolution,” needs to be expunged because it leads the student into anti-science, and anti-statistics which is anti-mathematics.

Page 163. As You Read. What You’ll Learn. “Explain how relative and radiometric dating are used to estimate the age of fossils.” Radiometric dating is not determining time using a clock, a calendar, or solar years. It is trying to determine time by the devolution of a radioisotope. In order to do that, it must be calibrated against a real clock. The radiometric dating in this textbook has not been calibrated against a real clock and therefore has no scientific credibility. For example, this text says the age of the Earth is 4.5 billion years old. Yet when the radiometric method is calibrated, the real age according to the calibration is 3,868 years old, which is grossly not valid. The dinosaurs’ radiometric age of 65 million years ago calibrates to about 75 years ago, about 1935, which again is grossly not valid. Therefore, the radiometric dating in this textbook is grossly not valid and all of its references need to be expunged.

Page 163. “As You Read. What You’ll Learn. List examples of five types of evidence for evolution.” There are no objective, valid, reliable, calibrated, that is, scientific evidences for evolution because it is an imaginary Gaea superstition used by the ancient Greeks to explain their incomplete observation of metamorphosis.

Page 163. “As You Read. Why It’s Important. The scientific evidence for evolution helps you understand why this theory is so important to the study of biology.” No scientific evidence supports evolution. All of the scientific evidence supports devolution, the exact opposite and excluder of evolution. Evolution cannot qualify as a theory or a hypothesis or a speculation because it violates the laws of science. Evolution can only qualify as a Gaea superstitious anti-science, which must be completely expunged from every life science textbook.

Page 164. “Types of fossils. Most of the evidence for evolution comes from fossils.” “The fossil record provides evidence that living things have evolved.” There is no evidence for evolution in the fossil record. If the skeletons of a

dachshund and an elephant were in the fossil record, any similarities would be correlations and correlations cannot prove anything evolved into anything else. Correlations only yield the degree of similarity and the fossil record cannot even yield a correlation coefficient. All that a science student may objectively observe about the fossil record is that the artifacts likely are the remains of once living organisms and now those organisms are dead. Beyond that would be imagination to shore up a Gaea superstitious anti-science called, evolution.

Page 165. “Determining a fossil’s age.” “Radiometric dating.” “This method of dating does not always produce exact results, . . .” If calibrated, the results are so grossly not valid, that they are completely worthless scientifically. A calibrated radiometric age for the Earth of 3,868 years and for dinosaurs of 75 years qualify radiometric ages as anti-science that needs to be omitted.

Page 166. “Visualizing the geologic time scale. Earth is roughly 4.5 billion years old.” That is based on uncalibrated methods of dating. The actual age of the Earth according to one calibration is 3,868 years old, and according to another calibration it is 1,314 years old. Both are so grossly not valid and so unreliable that they cannot even qualify as pseudoscience. They are definitely anti-science. They are the basis for the entire “geologic time scale,” the basis for this entire page, and therefore the entire page needs to be omitted.

Page 167. “Fossils and evolution.” Enough has been documented above to expunge all of this section.

Page 167. “More clues about evolution.” “Plant breeders observe evolution when they use cross-breeding to produce genetic changes in plants.” The genetic changes, like seedless oranges, would prevent the plant from surviving in the wild. The results of these experiments were the loss of genetic information and fitness. The attempts to “evolve” an improved plant, even with cobalt bombs and breeding stations, uniformly failed and were abandoned. This section merits omission.

Page 167. “More clues about evolution.” “The development of antibiotic resistance in bacteria is another direct observation of evolution.” This is false. The antibiotic resistant strains of bacteria prospered when the susceptible strains were eliminated. The resistant strains were there all the time. From a minority population, they became a majority population when competition was eliminated. Without the confusion sown by evolutionists, medical doctors might have saved many more lives during the last 60 years. This merits omission.

Page 167. “More clues about evolution.” “Entomologists have noted similar rapid evolution of pesticide-resistant insect species.” That also is false. The pesticide-resistant strains were always there, and from a minority population became a majority population when the susceptible strains were eliminated. Without the confusion sown by evolutionists, more of the world’s starved might have been saved during the last 60 years. This merits omission.

Page 167. “More clues about evolution.” “Also, many examples of indirect evidence for evolution exist. They include similarities in embryo structures . . .” This fraud from 130 years ago has been identified in the journal, *Science*, as “one of the most famous fakes in biology.” The drawings were plagiarized then forged, yet they remain in virtually every current biology textbook as evidence for evolution. The “lie that won’t die” must be expunged from all life science textbooks permanently.

Page 167. “. . . the chemical makeup of organisms including DNA.” The chemical makeup of a ship and an airplane are similar in the use of steel, and aluminum, power plants, propellers, and detailed blueprints for their reproduction. But obviously airplanes did not evolve from ships, nor did ships evolve from airplanes. This misleads the student and should be omitted.

Page 167. “. . . and the way organisms develop into adults.” Bacteria are born adults, flies develop by metamorphosis, some fish are oviparous, some are viviparous. There is no one way and the development from reproduction, like the rest of the structure and function of every organism, is an example of specific and exquisite mega-engineering built into each organism. Everything in the biosphere is designed that way. There is nothing anywhere in the entire universe that supports the imaginary Gaea superstition called, evolution. This entire section misleads the student and should be eliminated.

Page 167. Embryology and Figure 12. The drawings and descriptions are the infamous 130-year-old “one of the most famous fakes in biology.” All of it must be expunged.

Page 168. Homologous structures and Figure 13. “Although they have different functions, each of these structures is made up of the same kind of bones.” The statement and the concept are obviously false. The porpoise could never achieve the “impossible” speed of 25 mph with the bones of the frog forelimb or the human arm or the bat wing. The structural design is no more homologous than the propeller of a ship is homologous to the propeller of an airplane. None of this scientifically supports evolution, it is misleading, and it merits omission.

Page 168. Vestigial structures and Figure 14. “The bodies of some organisms include vestigial structures – structures that don’t seem to have a function.” This is false. Tonsils and the appendix were considered vestigial structures by evolutionists and subsequently were proven to be part of the immune system.

Page 168. “For example, manatees, snakes and whales no longer have back legs, but like all animals with legs, they still have pelvic bones.” This is false and misleading. Only the male whale has “pelvic” bones which are not attached to the spine like the pelvis of any ambulatory animal. In fact the bones are attached to

the sexual organ and are not a vestigial pelvis at all. Like the rest of the page, this section is misleading with false information and the entire page merits omission.

Page 169. DNA. “Examinations of ancient DNA often provide additional evidence of how some species evolved from their extinct ancestors.” There is no such information from DNA. According to DNA nucleotide analysis, the paramecium, a single-celled animal, is more evolved than a human being and most evolved is the amoeba. This entire section, including Figure 15 and Section 2 Review, is misleading and deserves omission.

Page 170. Section 3. “The Evolution of Primates. All primates have opposable thumbs, binocular vision, and flexible shoulders that allow the arms to rotate. These shared characteristics indicate that all primates may have evolved from a common ancestor.” Any student would fail his elementary science course if he wrote that all ships and airplanes have engines, drive shafts, propellers, and rudders and those shared characteristics suggest they evolved from a common ancestor. As documented above, similarities do not suggest evolution. This whole page, including Figure 16 and As You Read, is misleading and deserves omission.

Page 171. “Hominids.” This section presents no scientific evidence on hominids. However, there is such a study in the scientific literature. A toe bone called “Ardipithecus ramidus kadabba” was claimed to be 5.2 million years old and was claimed to be from the first ape-man to walk upright. It was so sensational that it was on the cover of Time magazine with a large feature story inside with artistic renderings showing the creature standing upright. That toe bone was scientifically analyzed and that objective, reproducible analysis established that it was a human toe bone with no similarity and no mosaic characteristics to any monkey or ape common ancestor. It was as dissimilar to monkey or ape bone as it was dissimilar to an anatomically neighboring bone. Further, and contrary to what evolutionists would have us believe, the dissimilarity to ape bone was greater than the dissimilarity to monkey bone. This is the only scientific study that has been done on hominids, previously called ape-men, and it suggested that all hominids, all ape-men, are forgeries. All hominid, ape-man, claims merit omission.

Page 171. “. . . but a larger brain separated them from the apes.” If brain size was directly proportional to intelligence, then elephants would be three times as intelligent as humans and whales would be six times as intelligent as humans. Brain size does not indicate intelligence. Obviously, brain size cannot be evidence for evolution either. This entire misleading page deserves omission.

Page 172. “Early humans.” This section mentions Australopithecus, Homo habilis, and Homo erectus, without telling whether or not their bones had been tested scientifically with An Objective Test of Fossil Bones. From a peer reviewed science journal, we find that a Homo erectus bone was tested and was found to be

a modern human bone. All that may be said is that one of the three was human with no mosaic characteristics to monkey bone or ape bone. These “early humans” claims are false and merit omission.

Page 172. Humans. Neanderthals. “They probably are not direct ancestors of modern humans, but represent a side branch of human evolution.” Comprehensive cephalometric radiographic studies of Neanderthal artifacts concluded that they were modern humans. Therefore again, there is no evidence for human evolution and these claims merit omission.

Page 173. Cro-magnon humans. “. . . Cro-magnon humans are thought to be direct ancestors of early humans, Homo sapiens, which means ‘wise human.’ Evidence indicates that modern humans, Homo sapiens sapiens, evolved from Homo sapiens.” The student is led to believe that wise humans, Homo sapiens, evolved to wise wise humans, Homo sapiens sapiens, without any objective evidence to support these imagined, latinized, pseudoscientific categorizations. This is misleading, it is not science, and it merits omission.

Pages 172 and 173 with Figures 19, 20, and 21 and Section 3 Review, Early humans, Humans, Neanderthals, Cro-Magnon humans, amply merit omission because they are misleading and devoid of any objective evidence to support any of the evolutionist claims.

Page 174. Lab. Design your own. Recognizing variation in a population. Real world question. “. . . birds, plants, or worms – might look alike at first, but some variations undoubtedly exist. According to the principles of natural selection, evolution could not occur without variations.” Each organism is an original and that originality is degraded in this section to senseless variation in the service of imagined natural selection to permit the nonexistent superstitious Gaea religion, evolution. Students instead need to be instructed that every individual is an original and the range of those objectively observed originals are the true mechanism for survival, not the anti-science, evolution.

Students also should be informed on the rewards of the Omniscient Originality Prizes of \$1,000 each for two or more living things that are identical (see <http://www.josephmastropaolo.com/prize.html>). Students thereby will discover for themselves the true laws of biology: life only from life; life always devolves, it never evolves; and survival is by omnipresent bounded omniscient originalities, not natural selection, not evolution.

Page 175. Conclude and apply. 1. “Explain your results in terms of natural selection.” This needs correction to “Explain your results in terms of omnipresent bounded omniscient originality as the foundation to individual, population, and biosphere survival.”

Page 176. Time. Science and History. Science can change the course of history. Fighting HIV. “A major problem in AIDS research is the rapid evolution

of HIV. When HIV multiplies inside a host cell, new versions of the virus are produced as well as identical copies of the virus that invaded the cell.” This needs correction. HIV does not evolve. It merely obeys the law of omnipresent bounded omniscient originality by reproducing originals.

Page 176. “New versions of the virus soon can outnumber the original version. A treatment that work’s against today’s HIV might not work against tomorrow’s version.” The correction needed is the same as the correction for the false concept of evolved resistance to antibiotics or pesticides. There is no evolution. There is only omnipresent bounded omniscient originality in every individual. The susceptible individuals die leaving the resistant individuals to flourish because of less competition. Without the superstitious anti-science of evolution, many lives could have been saved during the past 30 years and a worldwide epidemic could have been avoided.

Page 176. “So, researchers such as Flossie Wong-Staal at the University of California in San Diego, must look for new ways to fight the evolving virus.” This needs correction because the virus is not evolving. It is expressing unlimited originality like every other life form. If Dr. Wong-Staal would genetically block the source of the originality, she would cure the disease and save millions of lives worldwide. This is another example of how the brainwashing by evolutionists is costing millions of human lives. For human welfare worldwide, the superstition, evolution, must be expunged.

Pages 177-181. “Chapter 6. Study Guide. Reviewing Main Ideas. Section 1. Ideas About Evolution. Section 2. Clues About Evolution. Section 3. The Evolution of Primates. Visualizing Main Ideas. Chapter 6 Review. Chapter 6 Standardized Test Practice.” All of these merit omission for the reasons already given. Evolution is a nonexistent anti-science Gaea superstition to explain the missed stages of metamorphosis and has no place in a science textbook. It needs to be comprehensively expunged from the text and from the FCAT materials, FL 2-38.

Summary. The purpose was to review for scientific accuracy the pages of this textbook devoted to the concepts of spontaneous generation and its sequel, evolution. Spontaneous generation and evolution were devised by the ancient Greeks to fill in for their missed observations of the first two stages of metamorphosis, the egg laying and the maggot or caterpillar larval stage that hatches from the egg. The larvae were considered spontaneously generated by the vitalism of the goddess, Gaea, and the flying insect stage was considered evolution again by means of the vitalism of Gaea. In 1668 with his fine microscope, Dr. Francesco Redi proved with his classical experiments and drawings that the larvae hatched from the eggs of the same kind of fly that hatched from the pupae. Louis Pasteur and John Tyndall confirmed Redi’s findings and Joseph Lister applied

them to medicine for the benefit of millions of the sick and suffering. Darwin turned the science clock backward 2,000 years in order to provide the British Empire with a pseudoscience to motivate young men to impose the white man's burden on the indigenous people of the colonies for huge profits. After Tyndall's work, the evolutionists seized political and educational systems control, labeled evolution science and all opposition as religious extremism, and maintained control by rigorous censorship and persecution. The costs to pure science and to the applied sciences, like medicine, and to the sick and suffering, have been incalculable.

Conclusions. Devolution is the law that operates the entire universe, viable and nonviable realms alike, and evolution is the exact opposite of that law. By teaching evolution, the opposite of the truth, as science, the public schools have made themselves outlaws according to the state Education Code, which requires the truth in teaching, and the state Constitution. The public schools also have made themselves federal outlaws because the only way evolution can work is by the vitalistic intercession of the pagan goddess, Gaea. Whether in state or federal court, the scientific facts would be infinite for devolution and zero for evolution. Whether in state or federal court, primary historical evidence will prove that evolution furthers the pagan Gaea religion and is therefore unconstitutional according to the Constitution of the United States and the Florida Constitution. If a civil lawsuit is filed against a Florida public school, then it very likely will be won by summary judgment with injunctive relief. All public schools would be well advised to become law abiding, and to spare the school district legal expense by expunging all references to evolution in all science curricula and all science textbooks. It is an imperative priority that the public schools shed their present outlaw status and their present anti-science status, which likely are causing declines in science achievement of 50% and in mathematics achievement of 40% while encouraging an exodus from the public schools. The restoration of bona fide biological science in American public schools would serve as an example and would also be expected to save innumerable lives and to relieve enormous sufferings worldwide.

For this textbook, Biggs, A., Daniel, L., Ortleb, E., Rillero, P., Zike, D. *Life Science*. Glencoe Science, McGraw Hill Glencoe. Florida Edition. 2006. ISBN: 0-07-873325-1, for the scientific accuracy of instruction, it is recommended that all references to spontaneous generation and its sequel, evolution, be expunged. It is also recommended that the replacement be the universally observable science of devolution and the omnipresent bounded omniscient originality of individuals and their populations in an interdependent biosphere.

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