

INTRODUCTION TO CHAPTER TWELVE

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This study continues with an examination of those processes which were powerfully in action on Day One of the Creation week. We begin with a look at the foundation of the Earth, and how God can easily cause physical mass to be created. Then there is a quick comment on the state of a man. Various nuclear decay processes are examined, and how magnetism may control or alter these processes. The steering of particle beams is also presented, and how atoms of one element are readily converted into atoms of other elements. This study lays the foundation for understanding those immense processes which were in action during Creation.

The simple process for nuclear disintegration using just gamma-rays is noted. These particular rays are of far less power than the cosmic rays which God appears to have used at Creation. A simple experiment which is capable of converting ordinary nitrogen into oxygen is also noted. What could be the implications of this experiment? The answer will be explored in the pages ahead. In relation to this experimental example is mentioned the coming day, when this Earth and its atmosphere will be bombarded with devastating space radiation. The possible effects are considered. May this help to paint a vivid picture in our minds of that which was occurring on Day One of Creation.

This chapter also examines what might have happened at Creation if God had not placed the protective layers around the nuclear reactor at the core of this Earth. But, as we all know, God had a special plan for this Earth. As we examine the story of Creation, may due worship be given to God the Father for His great wisdom and knowledge which He has clearly displayed throughout the whole process. May we also worship Him because of His great love and mercy which He has shown toward us, and toward all of mankind. May due honor also be shown toward His beloved Son, our Lord and Saviour Jesus Christ, whom also was instrumental in the creation of all things.

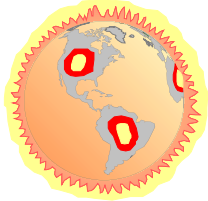
As this chapter nears its end, a very special secret is revealed. The process which brought the massive nuclear inferno to an end, on Day One of the Creation week, is clearly shown. This special process allowed the original 'Earth-blob' to grow only to a certain size. Because of this special, automatic process, the initial 'Earth-blob' did not end up being either larger or smaller than God the Father intended it to be. Finally, one simple process is shown by which God could easily have created a good supply of oxygen within the Earth's atmosphere.

This chapter continues with the ongoing discussion of how atoms of one type may be readily transformed into atoms of another type. This will help us to understand how easily the many processes operated at Creation to form all of the elements which we find upon this Earth today.

Chapter 12: PROCESS OF DECAY

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THE SPIRIT SPEAKS



It is written: *“And, Thou, Lord, in the beginning hast laid the foundation of the earth; and the heavens are the works of thine hands: they shall perish; but thou remainest; and they all shall wax old as doth a garment; and as a vesture shalt thou fold them up, and they shall be changed: but thou art the same, and thy years shall not fail.”*¹

And again: *“But the day of the Lord will come as a thief in the night; in the which the heavens shall pass away with a great noise, and the elements shall melt with fervent heat, the earth also and the works that are therein shall be burned up.”*² And so shall it be!

MORE TRUTH

In the beginning, God the Father and His beloved Son created the Heavens and the Earth. God is the One who decides when and how the mighty barrage of atomic nuclei (cosmic rays) will converge on a particular point in the universe, to create or alter any feature which He has chosen. Simply by His Word all this occurs. All of the nuclear forces in the Universe are at the ready command of God. The only disobedient things in all of Creation are Satan and his angels, and those whom they possess. But one day, all this rebellion will come to a sudden end. The Earth and all the ‘glorious’ works of man shall utterly be burnt away.

THE VESSEL

Man (or more accurately, the body of man) is not just an array of simple, moving nuclear forces. Rather, man is a special type of clay vessel.^{3, 4, and 5} This clay vessel, if motivated and possessed by the very Spirit of God, will truly be in obedience to God.

On the other hand, if a man has allowed the spirit of Satan to dwell in his vessel, then he will be in disobedience to the will of God the Father. In such a state, that man will truly have become the very enemy of God. Man, in such a case, is the enemy of Him who created all things, and Him who established all the nuclear forces from which even mankind was created in the beginning.

Let us ponder on the above matters in the times ahead. But at this time, let us return once again to some of the processes used at Creation.

BETA-PLUS

Let us return to the subject of beta decay. We will now examine that which is often times called “the second beta-decay process.”

**2nd
Process**

In the second process of beta decay, it is believed that a proton in an atomic nucleus is converted into a neutron. In this conversion, a neutrino and a positively charged beta particle are emitted from the original nucleus.⁶

A positively charged beta particle is commonly called a high-energy positron.⁷ A positron is said to be a particle of antimatter.⁸ This second process is commonly called beta-plus emission.⁹

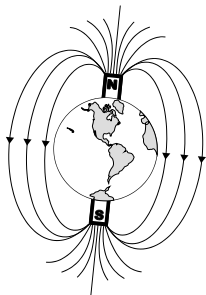
MORE ON BETA

When one or the other of the beta decay processes is completed, the nucleus of the original atom contains one less or one more proton. In this process of decay, a complete elemental transformation takes place. Because of the radioactive decay process, new atoms are created which are one atomic number larger or smaller than the original atom.¹⁰

In the normal form of beta decay, the new atom which is created will be one atomic number larger (on the Periodic Table) than was its ‘parent’ atom. In beta-plus decay, the new atom will be one atomic number smaller than its ‘parent’ atom.

The beta decay of uranium-238 (atomic number 92) can go one of two ways. It can produce either neptunium, atomic number 93, or, with beta-plus emission, protactinium. As the Earth is examined, it appears that neptunium is generally the **second layer** in the nucleus of the Earth. Protactinium (which is atomic number 91) is generally the **fourth layer** in the structure of the Earth.

ELECTRICITY AND MAGNETISM



When protactinium is created from uranium, electrons are emitted. This steady emission of electrons causes an electrical current to flow in the very nucleus of the Earth. It should be noted that whenever an electrical current is flowing, it creates a magnetic field.

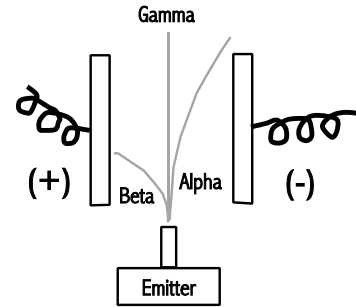
The intense electrical current which appears to be flowing in the inner core of the Earth may have a number of functions. It may work, in part, to create or reinforce the primary magnetic field for this Earth. The magnetic and electrical processes may also create or strengthen the magnetic containment field which holds the intense radioactive and superheated plasma at the very nucleus of this Earth.¹¹ The free electrons could also work as a cooling agent (as explained in Chapter 13).

STEERAGE

When beta particles are subjected to an electric field, their path is considerably warped toward the positive electric pole. This phenomenon indicates that the beta particles have a relatively strong negative electrical charge.¹² This characteristic of beta particles can allow them to be ‘steered’ in whatever direction is desired.¹³

In an electric field, the path of the alpha particles are deflected to a somewhat lesser degree, toward the negative electric pole. This deflection indicates that the alpha particles possess a positive electrical charge. Furthermore, it is commonly believed that the alpha particles are heavier than the beta particles.¹⁴

The greater inertia of the heavier weight alpha particle may be one of the factors which allows it to continue in a straighter path than that of the lighter weight beta particle.¹⁵

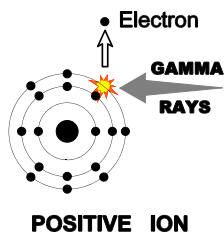


When subjected to an electric field, it appears that the path of gamma rays is not deflected at all. As a result, these rays continue in a relatively straight line. This tends to indicate that gamma rays do not possess any normal type of electrical charge.¹⁶ In other words, they appear to be electrically neutral. All of the above information may be useful in understanding the control used at Creation.¹⁵

GAMMA RAYS

When an atomic nucleus emits either an alpha or beta particle, the nucleus is left in an unstable condition. It is left in an excited, high-energy state. To compensate for this instability, and to return to a lower energy state of stability, the atomic nucleus normally emits a high-energy gamma ray.¹⁷ This secondary gamma ray emission, and the primary alpha or beta particle emission, occur in such rapid sequence that they appear to be almost simultaneous.¹⁸

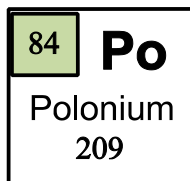
Gamma rays are truly an extremely energetic emission of electromagnetic radiation from the atomic nucleus. These rays are of a similar electromagnetic nature to X-rays. One major difference is that gamma rays possess considerably higher levels of energy than do X-rays.¹⁹



When gamma radiation is at a very high-energy level, it possesses the ability to perform nuclear disintegration. In this process, a neutron, proton, or other nuclear particle may be ejected from the penetrated nuclei.²⁰

When relatively low-energy gamma rays interact with the atoms in matter, they usually cause electrons to be ejected from these atoms.²¹ An atom thus deprived of one or more electrons becomes ionized.²² This atom, in the process, becomes a positive ion.

FURTHER REACTIONS



It is interesting to note that radium is created by the radioactive disintegration of uranium.²³ Francium is created by the radioactive disintegration of actinium.²⁴ The element radon-222 is created by the radioactive decay of radium-226. Radon-222, in turn, disintegrates into an isotope of polonium.²⁵ Polonium is generally located as **layer number 11**, in the strata of the dynamic inner core of this Earth.

ALPHA TREATMENT

Considering these matters further, let us examine the results of alpha particle bombardment. Astatine (atomic number 85) is produced by the bombardment of the element bismuth (atomic number 83) with high-energy alpha particles.²⁶ (More on this special process at the beginning of Chapter 13.) Bismuth is generally the next surrounding layer (**layer number 12**) outside of the polonium layer in the central core of the Earth.

Once again (lest we have let it slip from our minds), an alpha particle consists of two protons and two neutrons. When a common aluminum-27 nuclei is bombarded with, and captures an alpha particle, a neutron is emitted from the aluminum nuclei. In this process, the aluminum nuclei (of atomic number 13, and atomic weight of 27) increases its number of protons to 15, and its atomic weight to 30. The final result is the radioactive isotope called phosphorus-30.²⁷

When the common element of boron (atomic number 5) is given the same alpha bombardment treatment, an isotope of nitrogen (atomic number 7) is created.²⁸ Examining a different process, when the ordinary element of magnesium (atomic number 12) is forced to have a beta decay, an isotope of aluminum (atomic number 13) is formed.^{29 and 30} Truly, back and forth we may go!³¹

Let us look back for a moment. Remember Chapter 11, and the Goldstein tube? This special tube has the ability to emit a steady stream of alpha-type particles.³² This special tool may allow the qualified experimenter to make many fascinating discoveries in his low-budget laboratory!

PLEASE NOTE

Friend, by that which has been shown so far in this book, it is very evident that God could easily make all the elements in the layering of this Earth, from simple uranium. This could easily occur using the processes of extremely energetic, rapid nuclear disintegration and radioactive decay.

Friend, do not be deceived by the despisers of God. Do not be deceived by any unbelieving scientists. But rather, believe the Word of God! This Word of God declares that the Creation of the basic (without form and void) Earth all happened in one day. It all happened simply at the Word of God.³³

FURTHER EXPERIMENTS

In the year 1919, the British physicist Ernest Rutherford irradiated ordinary nitrogen gas with an energetic beam of alpha particles from a natural emitter (such as common uranium).³⁴ It should here be noted that the Earth's atmosphere is currently composed of about 78 percent nitrogen gas.

In the above experiment, the alpha particles collided with some of the nitrogen nuclei in the gas. The particular nitrogen atoms whose nuclei absorbed an alpha particle were transmuted into oxygen atoms.³⁵

It was found that each nuclei of nitrogen which was transmuted into oxygen, also emitted a positively charged particle. These positive particles were found to be the basic nuclei of hydrogen atoms, or more clearly, individual protons.³⁶



FOR CONSIDERATION

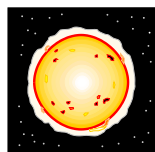
Friend, in the above process of nuclear irradiation, we find that nitrogen is converted into the basic building blocks for ordinary water. A few spare electrons, then a spark, and water is formed. On another vein, what would happen to the Earth's atmosphere if the Earth's magnetic shielding were greatly reduced or removed (as shown to be happening in Chapter 10), and cosmic rays were allowed to freely bombard the nitrogen gas in our air?

Once again, the Word of God speaks of a time swiftly approaching: *“And the heaven departed as a scroll when it is rolled together; and every mountain and island were moved out of their places.*

“And the kings of the earth, and the great men, and the rich men, and the chief captains, and the mighty men, and every bondman, and every free man, hid themselves in the dens and in the rocks of the mountains; and said to the mountains and rocks, ‘Fall on us, and hide us from the face of him that sitteth on the throne, and from the wrath of the Lamb: for the great day of his wrath is come; and who shall be able to stand?’”³⁷ Why should there be this great fear?

In a high oxygen atmosphere, the astronauts in the Space Program found that even “fire proof” asbestos will burn.³⁸ It appears that, under these circumstances, nothing can escape the fire!³⁹

NATURE'S NUCLEAR REACTORS



At the core of the sun is an extremely large nuclear reactor. The scientists claim that this nuclear reactor operates on the principle of nuclear fusion.⁴⁰

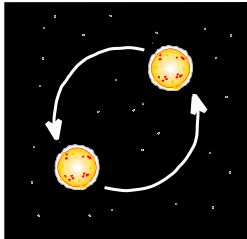
The nuclear fusion which occurs in the sun creates a considerable amount of radiation and heat. The scientists believe that the temperature at the central core is approximately 27,000,000 degrees Fahrenheit (15,000,000 degrees C).⁴¹

The sun (by man's thinking) is an uncontrolled nuclear reaction. In other words, it is a true example of a nuclear reaction which is not contained in any manner known to man.

At the inner core of this Earth is another raging nuclear reactor. All of the heavy elements present at the nucleus of this inner core are extremely radioactive by nature. The radiation level at the core is extremely intense. This radiation level is far in excess of anything which mankind has produced with his extremely underpowered nuclear reactors and weaponry.

The radioactive decay of the elements at the inner core of this Earth, and the various other nuclear interactions which occur, produce a great amount of heat-energy and various other types of radiation.⁴² Many of these forms of energy are not conducive to life.

BINARY STARS



God created the Earth with special outer control layers. These layers are organized in a special manner. If it were not for the order of these layers, the Earth would likely be just another sun. In such a state, the sun and Earth may have formed what is commonly called a binary star system. In this system, the blazing 'Earth-star' would rotate around and around with the sun.

Astronomers believe, based on their observations, that one-fourth of the visible stars in the universe are part of a binary system. The time it takes for one star to orbit around the other varies greatly between these star-systems. Some binary systems take only hours to orbit, while others may take centuries. Part of what decides frequency-of-orbit is the distance between the two stars and also their individual masses.⁴³

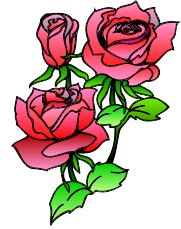
ONE EXAMPLE

In the constellation Perseus is the spectacular binary star system called Algol. It takes this particular system approximately 69 hours for one complete rotation. At 69 hour intervals, dimmer Algol-B is said to pass in front of brighter Algol-A. For approximately a 9-hour period (as observed from Earth) the brilliance of the Algol system is reduced by a factor of three. Then, as Algol-B continues in its orbit, the system returns to its original brightness.⁴⁴

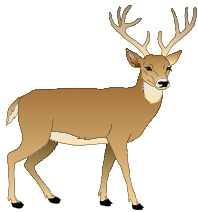
The Earth and Sun could have formed a binary-type system if God had so desired. If the protective layers of the Earth, including the atmosphere and the magnetosphere, had not been placed as they are, this Earth could have readily become just be another sea of intense fire. In such a state, it would have been a fitting description for the Lake of Fire, shown in the Word of God.⁴⁵

THE WILL OF GOD

The God of all the universe, the Creator of all things, had a different plan for our Earth. The Father of our Lord and Savior Jesus Christ wanted a special place to put His crowning creation. He wanted a place to put His creation which He was preparing to make in His own image.

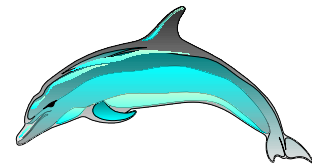


God the Father desired a place which was exceptionally pleasing in His own sight. In such a case, He knew that it would surely be pleasing to the man which He was about to create in His own image. He knew that it would also be very pleasing to the man's wife.



The special place which God was intending to create required an environment which would not be hostile to His special, more delicate creations. This special environment must be able to support mankind, and all of his needs. It also must support all of the many types of animals, with each of their special needs.

Furthermore, the special environment which God the Father desired had to support the myriads of different birds and fishes, plus all manner of creeping, crawling, flying, and swimming things which He was about to create. Yet these were not the only requirements for this special environment.



The environment which the Father was looking for needed to be able to support all manner of plant life. God wanted to make all manner of trees, bushes, and shrubs. He wanted to make different types of grasses and ground coverings. Throughout all this, the Almighty Father began to show the magnificent beauty of His nature. He wanted a place for all the many beautiful flowers which He was going to make. Our Heavenly Father wanted nothing but the very best for His children.

THE WISDOM OF GOD

When God the Father created this Earth (by Jesus Christ), He understood the necessary order in which the materials must be placed so that all things would operate properly. This order would produce the protective environment in which He could place His special, more delicate creations.

God placed a raging nuclear reactor at the very nucleus of the Earth. This reactor was highly radioactive and produced intense volumes of deadly radiation. This radiation would be extremely destructive to His special creations. To prevent this destruction, our Heavenly Father created a very effective radiation shield around the nuclear reactor. This radiation shield keeps the intense radioactive emissions from escaping and destroying all of His more delicate creations.

A FEW FACTS

It is normally stated (in the common textbooks of today) that the average alpha radiation can be stopped by a relatively thin layer of aluminum or other matter. These common textbooks neglect to give the full story! In all reality (as shown earlier in this book in Chapters 5 and 11), when alpha particles slam into aluminum nuclei, a stream of extremely penetrating (and potentially deadly) neutrons are blasted out the other side! So much for stopping all ill effects of the “alpha problem” with a thin layer of aluminum!

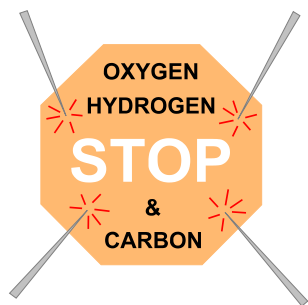
It is commonly stated in the textbooks that beta radiation is about 100 times more penetrating than alpha radiation! Therefore, beta radiation requires a thicker shield to stop it, or one made of a different material.⁴⁶ Finally, there are the extremely destructive and penetrating gamma rays to deal with. These gamma rays required yet other methods or other materials to stop them.

At this Earth’s Creation, there was an immense volume of very deadly neutrons (and other highly reactive ionizing radiation) streaming within and out of the nuclear core! A method had to be devised to render this radiation harmless. Friend, this Earth required great wisdom and knowledge to create: wisdom of a nature which only God possesses! To Him belongs great honor and glory!

God the Father, in His infinite wisdom, created (by Jesus Christ) the best possible radiation shield and containment vessel for the raging nuclear reactor. Not only could the radiation shielding stop the extremely damaging radiation, the containment vessel also helped to disperse the intense heat which is constantly radiating from the nuclear core of the Earth.

CROWNING TOUCH

God rapidly grew the basic ‘blob’ of the primitive Earth to its intended size. As it neared the required dimensions, God needed a method by which to turn off, or stop the penetration of the cosmic rays into the ‘Earth-blob.’ By preventing the cosmic rays from penetrating into the surface of the Earth, the driving force behind the fission reaction in the Earth would automatically be eliminated. God Almighty, in His beauty and simplicity, accomplished this feat by a most ingenious process!



As the fission process steadily progressed, the successively lighter weight elements were produced. Eventually great volumes of the light weight elements of carbon, oxygen, and hydrogen were produced. These special elements are the ones with which the cosmic rays and neutrons readily interact.

At the creation of these light weight elements, the nuclear bombardment “door” was beginning to close! The great volume of these elements worked toward extinguishing the mighty nuclear inferno within the basic ‘blob’ of the Earth!

COMPLETE MODERATION

Out of the primitive 'Earth-blob' spewed forth the oxygen and hydrogen from which were formed the primitive waters of this Earth.⁴⁷ These waters soon increased in depth upon the face of the whole Earth.⁴⁸ As the waters increased in depth, it was like turning off a faucet. These waters had a moderating effect on the overall nuclear reaction.⁴⁹ Fewer and fewer cosmic rays were able to reach the 'Earth-blob.' By the time the deep waters were formed, no cosmic rays were able to reach the molten mass within. At this time, the reaction on the submerged outer surface of the Earth had come to a complete end. At this point, the final work of forming the Earth took on a volcanic nature.

A POINT TO PONDER

Let us look back four pages, to the 1919 experiments of Ernest Rutherford. This physicist irradiated nitrogen gas with alpha particles, and produced some oxygen. Let us consider the Creation of this Earth, as the layer of nitrogen gas was formed. It must be remembered that there was a great flood of extremely powerful cosmic rays converging upon the Earth and its newly forming atmosphere. Please note that these powerful cosmic rays are composed of about 12 percent alpha particles. Friend, what do you suppose happened next?

As the alpha particles brutally bombarded the vast reserve of nitrogen gas surrounding the Earth, a certain percentage of the atoms in this gas were quickly converted into gaseous oxygen. A vast reservoir of exceedingly important oxygen was now being created. The Lord God Almighty and His only begotten Son, Jesus Christ, were now preparing the Earth for all of the life which soon would be created upon it.

Friend, no matter what aspect of Creation the writer observes, he never ceases to be amazed at the incredible wisdom and knowledge of the Lord God Almighty. The above process for the creation of oxygen is just another example of the beauty, simplicity, and power with which God works.

TO KNOW HIM

Friend, do you know the wonderful God who has done all of these marvelous things? Do you truly know the Almighty Father for yourself? Do you seek His truths diligently? Do you seek these truths for yourself? Do you search for them, as for precious jewels, within His Word? Above all, are you especially attentive to please Him in every way that you possibly can?⁵⁰

Friend, there is one more thing to consider. Think on that which is about to be asked before you answer. Deep down, in our very spirits, we truly know the answer to the following question, if we will but examine things closely by the complete Word of God. Friend, when you stand face to face before God on that coming day of judgment, will you be known as a friend of God the Father, or will the 'mask' be stripped away and you suddenly find yourself as His enemy?

BASIC TRUTH

God is a very great God! The Father and God of our Lord Jesus Christ (^{51, 52, and 53}) is a very righteous and holy God! He is also very jealous to have that unpolluted Creation, as He initially designed it. God the Father also desires to be worshiped by His individual creations in that manner which He has chosen. In relation to this, the Lord Jesus Christ once proclaimed: *“Ye hypocrites, well did Esaias prophesy of you, saying, ‘This people draweth nigh unto me with their mouth, and honoureth me with their lips; but their heart is far from me. But in vain they do worship me, teaching for doctrines the commandments of men.’”*⁵⁴ And again: *“Full well ye reject the commandment of God, that ye may keep your own tradition.”*⁵⁵

Friend, the Word of God proclaims: *“For the wrath of God is revealed from heaven against all ungodliness and unrighteousness of men, who hold the truth in unrighteousness; because that which may be known of God is manifest in them; for God hath showed it unto them.*

*“For the invisible things of him [God] from the creation of the world are clearly seen, being understood by the things that are made, even His eternal power and Godhead; so that they are without excuse...”*⁵⁶

The Lord Jesus Christ gives this very important insight to mankind: *“Not every one that saith unto me, ‘Lord, Lord,’ shall enter into the kingdom of heaven; but he that doeth the will of my Father which is in heaven. Many will say to me in that day, ‘Lord, Lord, have we not prophesied in thy name? And in thy name have cast out devils? And in thy name done many wonderful works?’ And then will I profess unto them, ‘I never knew you: depart from me, ye that work iniquity.’”*⁵⁷

May we all, with our whole hearts, seek out the true way of God Almighty. May we come to know God the Father, and His beloved Son, our Lord and Savior Jesus Christ. May we turn from the philosophies of mankind, and diligently seek that true way which God has ordained for us to walk in. May we find it through diligent search of His Word, that we may willingly walk in that way which is pleasing to God the Father. Friend, may none of us which are reading this book have to be ashamed in that final day of judgment. May we all truly be found as the children of God the Father, and fully abiding in that true way of Christ!⁵⁸

Friend, so ends another Chapter in this FIRST EDITION of
Listen To The Earth, Volume One, THE CREATION, by *David E. Sakrison and Friends*
in 34 Chapters, plus README, Preview, Start, and End files
with References following each Chapter

REFERENCES

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1. *The Holy Bible*, Book of Hebrews, chapter 1, verses 10-12.
2. *The Holy Bible*, Book of II Peter, chapter 3, verse 10.
3. See: *The Holy Bible*, Book of Genesis, chapter 2, verse 7.
4. See: *The Holy Bible*, Book of Isaiah, chapter 45, verses 8-12.
5. See: *The Holy Bible*, Book of Romans, chapter 9, verses 20-21.
6. *Microsoft Encarta 98 Encyclopedia*, "Radioactivity."
7. *Microsoft Encarta 98 Encyclopedia*, "Radioactivity."
8. *Microsoft Encarta 98 Encyclopedia*, "Positron."
9. *Microsoft Encarta 98 Encyclopedia*, "Radioactivity."
10. *Microsoft Encarta 98 Encyclopedia*, "Radioactivity."
11. From: *Microsoft Encarta 98 Encyclopedia*, "Gauss": The Earth's magnetic field has a strength of about one gauss. In comparison, the field strength between the poles of the average horseshoe magnet is about 300 gauss. The strongest permanent magnets have field strengths of a few thousand gauss. A powerful superconducting magnet may have a field strength which is greater than 500,000 gauss. In comparison with all of these man-made magnets, the Earth appears to have a very weak magnetic field density indeed. Yet its magnetic flux density is high enough to produce impressive phenomenon like the Northern and Southern Lights.
Let us also look at another method by which to state the strength of the Earth's magnetic field. The 1996 book by Gerrit L. Verschuur, called *Impact!*, asserts on page 21 that the Earth has an average magnetic field strength of 35,000 nanotesla. But let us not think that the magnetic field of the Earth is extremely weak. Let us remember that the surface of the Earth resides at a distance of about 3,963 miles (6,376 km) from the center of the Earth's core. Surrounding the nuclear reactor at the core of the Earth are numerous layers of paramagnetic materials through which the strong magnetic field flows. On the Earth's surface, we are simply experiencing the distant effects of this powerful magnetic field.
12. *Microsoft Encarta 98 Encyclopedia*, "Radioactivity."
13. Considering this fact, God could easily have been steering the beta particles in any direction desired, at the beginning of Creation, to readily combine in whatever reactions and creations He intended to occur at any specific point within the main nuclear reaction.
14. *Microsoft Encarta 98 Encyclopedia*, "Radioactivity." The thought of the alpha particle being heavier than the beta particle makes good sense, for the proton truly is heavier than the electron.
15. Please note that in the illustration which accompanies the text, the curvature of the alpha and beta particle paths has been exaggerated for illustration purposes only.
16. *Microsoft Encarta 98 Encyclopedia*, "Radioactivity."
17. *Microsoft Encarta 98 Encyclopedia*, "Nuclear Chemistry."
18. *Microsoft Encarta 98 Encyclopedia*, "Radioactivity."
19. *Microsoft Encarta 98 Encyclopedia*, "Radioactivity."
20. *The 1998 Grolier Multimedia Encyclopedia*, "Gamma Rays."

21. *The 1998 Grolier Multimedia Encyclopedia*, “Gamma Rays.”
22. *Microsoft Encarta 98 Encyclopedia*, “Radioactivity.”
23. *Microsoft Encarta 98 Encyclopedia*, “Radium.”
24. *Microsoft Encarta 98 Encyclopedia*, “Francium.”
25. *Microsoft Encarta 98 Encyclopedia*, “Radon.”
26. *Microsoft Encarta 98 Encyclopedia*, “Astatine.”
27. See: *Van Nostrand’s Scientific Encyclopedia*, 8th Edition, 1995, volume 2, page 2624.
28. *Microsoft Encarta 98 Encyclopedia*, “Radioactivity.”
29. See: *Microsoft Encarta 98 Encyclopedia*, “Nuclear Chemistry.”
30. See: *Chemistry*, James V. Quagliano, 2nd Edition, 1963, pages 837-838.
31. Looking to a slightly different subject: when the nucleus of a uranium-235 atom emits an alpha particle, the starting material converts into the element protactinium. When a plutonium-239 nucleus emits an alpha particle, the starting material then converts into uranium-235. The preceding information comes from an article (called “Nuclear Terrorism,” by John Silveira) in *Home Power Magazine*, March/April 2002, on page 68. This same article also declares that alpha particles are the same as the nucleus of a helium atom that has been stripped of its two orbiting electrons. When the alpha particle is finally able to acquire two electrons, a helium atom is formed which did not exist before.
32. Actually, the proton beam coming out of a Goldstein tube may possibly be more like a beam of alpha particles which are missing their neutrons. Therefore, the particle beam coming out of the Goldstein tube may produce somewhat different nuclear reactions than would a beam of pure alpha particles.
33. See: *The Holy Bible*, Book of Genesis, chapter 1, verses 1-5.
34. Note: A powerful Goldstein tube may also serve the same purpose.
35. *Microsoft Encarta 98 Encyclopedia*, “Atom and Atomic Theory.”
36. *Microsoft Encarta 98 Encyclopedia*, “Atom and Atomic Theory.”
37. *The Holy Bible*, Book of Revelation, chapter 6, verses 14-17.
38. See: *Suppressed Inventions & Other Discoveries*, Jonathan Eisen, 1999, pages 294-295.
39. *The Holy Bible*, in the book of II Peter, chapter 3, verse 10, declares: “*But the day of the Lord will come as a thief in the night; in the which the heavens shall pass away with a great noise, and the elements shall melt with fervent heat, the earth also and the works that are therein shall be burned up.*” For all who must go through this, the experience may cause great fear.
40. *Microsoft Encarta 98 Encyclopedia*, “Plasma (physics).”
41. *The 1998 Grolier Multimedia Encyclopedia*, “Sun.”
42. *The 1998 Grolier Multimedia Encyclopedia*, “Earth, structure and composition of.”
43. *Microsoft Encarta 98 Encyclopedia*, “Binary Star.”
44. *Microsoft Encarta 98 Encyclopedia*, “Binary Star.”
45. See: *The Holy Bible*, Book of Revelation, chapter 20, verses 1-15.

46. *Microsoft Encarta 98 Encyclopedia*, “Radioactivity.”
47. The initial waters were in the form of a superheated, vaporous cloud residing far above the surface of the Earth.
48. In the beginning, the water was in the form of an extremely thick, superheated layer of water vapor. As things rapidly cooled, this vapor condensed and formed into (because of the deep cold of space) freezing rain and large hailstones. These stones plummeted down toward the surface of the Earth, where the heat converted them into water, or heated water vapor, depending on the temperature in the region of the Earth’s surface.
49. These waters had a moderating effect on the original nuclear reaction at Creation, just as waters have a moderating effect to the reactions taking place within certain types of mankind’s reactors.
50. If there is any doubt in our minds whether we are walking in the true way which is pleasing to God, the following passage of Scripture should help clear up our doubt. *The Holy Bible*, in the Book of I John, chapter 3, verses 19-22, declares: “*And hereby we know that we are of the truth, and shall assure our hearts before him [God]. For if our heart condemn us, God is greater than our heart, and knoweth all things. Beloved, if our heart condemn us not, then have we confidence toward God. And whatsoever we ask, we receive of him, because we keep his commandments, and do those things that are pleasing in his sight.*” Friend, this is a great promise within God’s Word! (see also John 14:12-14)
51. See: *The Holy Bible*, Book of John, chapter 17, verse 3.
52. See: *The Holy Bible*, Book of John, chapter 20, verse 17.
53. See: *The Holy Bible*, Book of II Corinthians, chapter 1, verses 2-3.
54. *The Holy Bible*, Book of Matthew, chapter 15, verses 7-9.
55. *The Holy Bible*, Book of Mark, chapter 7, verse 9.
56. *The Holy Bible*, Book of Romans, chapter 1, verses 18-20.
57. *The Holy Bible*, Book of Matthew, chapter 7, verses 21-23.
58. *The Holy Bible*, Book of Jude, verse 1, is written “*to them that are sanctified by God the Father, and preserved in Jesus Christ, and called...*” Friend, may we heed that call. “*Today if ye will hear His voice, harden not your hearts...*” (Hebrews 3:7-8)