

INTRODUCTION TO CHAPTER FOUR

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Chapter One noted a number of common theories about this Earth and its makeup. One source indicated that during the formation of the Earth, the heavier elements ended up in the very core of the Earth, and the lighter elements ended up nearer the outer portion of the Earth. Other sources stated that there is layering within the inner structure of the Earth. Before this book begins to examine the amazing story of nuclear Creation, as it appears occurred on Day One of the Creation week, some preparatory facts should be examined. Once this preparatory process is complete, it should be much easier to grasp the incredible magnitude of those events which occurred on Day One of this Earth's Creation.

This chapter will explore the implications of having layering within the structure of the inner Earth, with the heavier materials at the core. As this particular line of thinking is carried to its conclusion, it becomes very apparent that a large quantity of the heaviest natural elements must be at the very nucleus of the Earth's inner core. With this in mind, it should not come as a surprise that the core of this Earth is not made up simply of iron, or nickel-iron. Truly, the very nucleus of this Earth contains those elements which are much heavier than iron.

Furthermore, this chapter introduces the general order of the three foundational elements. These elements were set in place at the beginning of Day One of the Creation week, as God began to lay the very foundation of the Earth. These special elements are currently located at the very nucleus of this Earth. Their important function will also be introduced in the latter part of this chapter.

Friend, once the order of the elements is clearly established, then a few properties and functions of the elemental layers (how they react and interact) does begin to stand out. As a further introduction to this chapter, the natural phenomenon which helps stabilize the elemental layering within the inner portion of the Earth is explained in simple language. The potential for radical movement of materials within the Earth is also introduced. Later Chapters begin to examine a very incredible and powerful natural process. The evidence indicates that God used this special process to initiate the Creation of all things which we now observe.

Chapter 4: FOUNDATION OF THE EARTH

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PRINCIPLE TRUTH

It is written of the Lord: *“Of old hast thou laid the foundation of the earth: and the heavens are the work of thy hands. They shall perish, but thou shalt endure: yea, all of them shall wax old like a garment; as a vesture shalt thou change them, and they shall be changed: but thou art the same, and thy years shall have no end.”*¹ Amen, and amen!

The Lord hath spoken: *“Hearken unto me, O Jacob and Israel, my called; I am he; I am the first, I also am the last. Mine hand also hath laid the foundation of the earth, and my right hand hath spanned the heavens: when I call unto them, they stand up together.”*²

MAKEUP OF THE EARTH



Currently, there is no known method by which mankind is able to drill to the central core of the Earth to take material samples. For this reason, mankind often guesses about the makeup and structure of the Earth's core. Even mankind's best scientists have only numerous theories about this Earth. Most of these theories are usually a result of mankind's varying interpretations of seismic studies.³

Seismic studies may reveal many things about the layering of the Earth. Nevertheless, to obtain the real truth about the makeup of this Earth, these studies must be interpreted correctly. Only then is there any hope of coming anywhere near the truth.

The interpretation of geologic evidence (especially, it appears, in the manner which it is done today) is not guaranteed to result in the real truth. Indeed, to begin with the premise of disproving God will only taint all scientific insight which could be gained concerning those things which God has created.

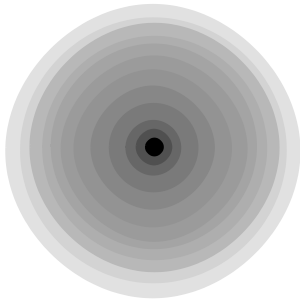
The final truth about the creation of this Earth can only be obtained when ALL the evidence is fully and unbiasedly examined. There cannot be any preconceived, carnal ideas perverting our vision. None of the evidence can be ignored because it doesn't fit OUR group's ungodly ideas. We must take the evidence as it is written in nature, by nature's God. We must let all the evidence work together to tell the true story about the beginning of this Earth.

Friend, this chapter prepares us for examining the incredible and awesome manner in which God began to create this Earth. At first glance, the Earth processes may appear to be extremely complex. Do not let that hinder you. Just stop and ponder the simplified subject matter. Give it some time, and the simplicity and great power with which God works will soon become evident.

FUNDAMENTAL TRUTH

According to the scientific studies (supported by much seismic research), the Earth appears to be made up of many layers. According to sources, this layering appears to hold true, even in the inner core of the Earth.⁴ The writer's research leads him to be in full agreement with these particular scientific findings.

According to the modern scientists, at the Creation of the Earth, the denser elemental materials gravitated to the inner core area. The lighter materials then floated to the outer surface.⁵



To be more accurate (to speak in terms of pure truth in procedure), God made the foundational “seed” of this Earth from extremely heavy elements. Then He rapidly grew the Earth, layer by layer progressively lighter layer, upon the fundamental heavy core.

Let us note one interesting point. The only materials that were required to start the Creation of the Earth were the heaviest naturally occurring radioactive elements. All the other lighter elements (in the succeeding layers) could be formed by rapid fission and radioactive disintegration.⁶ God truly built what appears to be (to the imprudently chosen methods of modern mankind) an aged Earth.⁷ In a moment of time, it was aged to God's perfection!

When God was finished creating this Earth, He looked upon it and saw that it was very good.⁸ He appreciated the results of all His mighty work. Truly, God works in very powerful ways. Yet, in it all, God works in very simple and beautiful ways. But Friend, God does not waste His energy!

ELEMENTARY FUNCTIONS AND WEIGHTS

It appears that each layer in the inner core of the Earth is composed mainly of one specific element, with possibly some intermixing. Each particular element has its specific function in the operation of this very intricate and advanced Creation of God. Each fundamental element (which by its specific nuclear properties appears to compose a general layer) has a specific and unique atomic weight.

Yes, God gave a specific and unique atomic weight to each individual element. Furthermore, each element has its own specific gravity, or density. The relative weights of the elements cause them to hold their required position (in relation to one another) within the layering of this Earth.

Because of their heavier atomic weights and superheated fluidic state, the great mass of the radioactive materials will always tend to remain at the core of the Earth. The lighter-weight materials will always tend to remain “floating” towards the top or outer surface of the Earth. God truly is very wise in the manner in which He constructed all the elements which make up this Earth.

AN ILLUSTRATION

There is a simple experiment which will illustrate that natural process that occurs consistently within the inner layering of this Earth. This experiment will help us to understand the effects of the unique specific gravities and atomic weights of the individual elements within this Earth. For simplicity, this experiment will emphasize only specific gravity.



To begin this experiment, get a small container of oil. It can be any kind of oil. Take another small container and put some water in it. Next, find a larger, clear glass container. After you have acquired these three main components (the oil, the water, and the clear glass container), you are ready to begin this very revealing experiment.

To start the experiment, take the oil, and pour it into the larger, clear glass container. Next, take the water and pour it on top of the oil. You do not have to pour the water into the container at any specific rate. This experiment will always work toward the same conclusion, no matter what rate the water is poured into the oil.

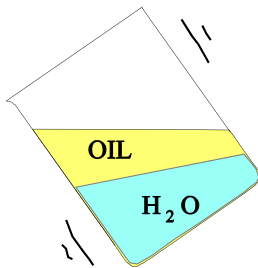
THE RESULT

The oil (which is placed in the glass) has a lesser specific gravity than does the water. In other words, the oil has a lighter molecular weight than does the water.

In time, the oil will make its way upward, passing through the layer of water. The oil will ultimately take its rightful position at the top of the layering.

The top layer is the rightful position for oil. This is because of oil's lighter molecular weight. The water (which is heavier than oil) should always sink to the bottom of the container.

THE BOUNDARY LAYER



Continuing with the above illustration, we may learn some further truths. Once all the oil is floating on top of the water, it will be noted that there is a line between the layers. This line will be more obvious when using an oil of a darker color than the water. This observed line is the “boundary layer” between the two substances which are of different molecular weights.

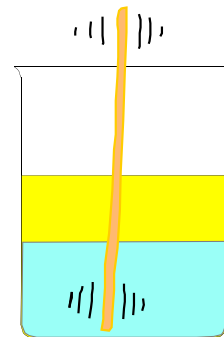
To continue with the experiment, gently take the glass container and wiggle it from side to side. What happens?

You will observe that the boundary layer will rise and fall like gentle waves in an ocean. This boundary layer will normally move at a different rate than the waves which form on the upper liquid surface.

THE TRUE TEST

Now for a test. We want to make sure that the oil has no intent of ‘sneaking’ to the bottom of the container. We also want to make sure that the water has no intent of escaping to the top, if given the chance.

Take a piece of rough wire (or some other suitable object), and poke it down through the liquids to the very bottom of the container. Now wiggle the wire (or other object) around a little. Your object is now puncturing the boundary layer.



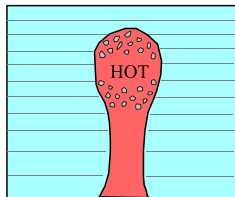
Now, swiftly (or at any other rate you desire) pull your puncturing object out of the glass. What do you observe?

Does all the water come leaking out from below? Does the oil sink down through the ‘hole?’ Not at all! The boundary layer seals itself automatically, just as it does in the layering at the inner core of this Earth.

Because of the difference in the molecular weights (or specific gravities) of the liquids, the water still (even after severely ‘puncturing’ the boundary layer) remains at the bottom of the container.

A SIMPLE DEDUCTION

Next, comes an interesting revelation. Examine your puncturing device, especially if it is one with a relatively rough outer surface. Look at it very closely under proper lighting. What do you see?



If the oil has not prevented it, it may be found that some water residue is left on your device after its trip to the bottom of the container. This is similar to the phenomenon which happens when various heat bubbles, or heat plumes, rise up through the layering of the Earth.

As the heat plumes within this Earth rise through the various material layers, they come in contact with the elements contained within each. The heat bubbles, or plumes, may then bring with them (during their passage toward the surface of the Earth) residues of the individual elements from each layer through which they have passed.

The heat plumes which form in the interior of the Earth may ultimately be a vehicle for rising magmas within the Earth. These rising magmas often form into volcanos.⁹ These volcanos, in turn, are often related to mineral deposits of economic value.

A QUICK NOTE

Friend, the ‘birth’ of volcanos (and the cause of certain types of crustal hot-spots), and an expansion on the processes involved, will be found in Volume Three (*Listen to the Earth: The Days of Peleg*).

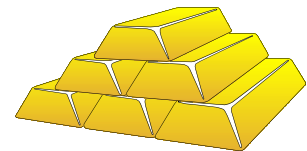
A SIMPLE SCIENCE

By examining the chemical composition of the magmas which reach the surface of the Earth, many conclusions about its formation may be revealed. It may also be possible to generally determine at which elevation in the layering of the Earth that a particular heat plume or bubble originated, especially once the true sequence of layering materials is understood!

The heat energy initially transfers upward through the various materials. But once it forms a true plume (or any type of a gaseous bubble), it becomes a “vehicle” for transporting elements.

As we continue this examination of the Earth’s layering, the truth of an old miners’ saying will become obvious. The saying goes something like this: “You can have iron without gold; but you cannot have gold without iron.”

This particular saying came from numerous observations in the gold fields in which the miners worked. The elements which a heat bubble brings to the surface of the Earth depends on the elevation within the Earth at which the heat bubble forms. The truth is, gold is below iron in the layering of the Earth.¹⁰



Friend, this particular subject of mineral deposits will be found expanded upon to a much greater degree in Volume Three (*Listen to the Earth: The Days of Peleg*).

BACK TO THE EARTH

All that God needed to do to start everything, on Day One, was to create the heavier elements and place the bulk of them at the inner core of the Earth. With this simple starting point in mind, it should be relatively easy for almost anyone to determine the general layering of the elements within the Earth, from the very nucleus of the Earth and outward toward the crust. To perform this relatively simple, yet low cost examination, just look at any Periodic Table of the elements.

Table 4-1

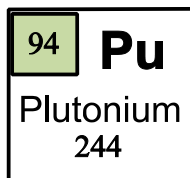
Atomic Number -----	Element -----	Atomic Weight -----
84	Polonium	(209)
85	Astatine	(210)
86	Radon	(222)
87	Francium	(223)
88	Radium	226.0254
89	Actinium	227.0278
90	Thorium	232.0381
91	Protactinium	231.0359
92	Uranium	238.029
93	Neptunium	237.0482
94	Plutonium	(244)

Note: Values given above, in parentheses, are the atomic mass numbers of the most stable isotopes of each particular element.

A CHANGE OF PACE

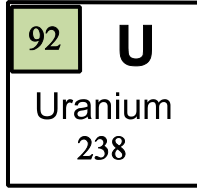
Next, let us examine a few facts about the above elements on Table 4-1. These elements will be examined in the general order in which they appear in the layering of this Earth, from the inner core, and outward. It should be noted that, because of the ongoing processes within this Earth, there is prone to be some degree of intermixing of the elemental layers.

AT THE INNER CORE



In nature, trace amounts of plutonium and neptunium are found within certain uranium ores obtained in mine shafts. Plutonium, atomic number 94, being the heaviest of the natural elements, would generally be located as the **first layer** at the very nucleus of the Earth's semi-fluidic inner core. This semi-fluidic layer is truly in the form of a superheated plasma.¹²

Examine closely Table 4-1 above. An interesting phenomenon will be noted for the elements with atomic numbers from 90 thru 94. Their atomic weights are not in sequential order. For this reason, in the semi-fluidic, highly compressed, plasmatic nucleus of the Earth, the placement of these elements would not be in accordance with their atomic number. Rather, these elements are placed in accordance with their atomic weight.



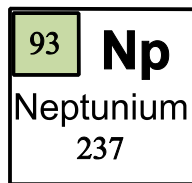
Enveloping the foundational nucleus (which consists mainly of plutonium) is the **second layer** which consists mainly of uranium (atomic number 92).

As an aside, it is of interest to note that radiation emitting from uranium displaces the gaseous element hydrogen from various mineral acids. The radiation from uranium also displaces hydrogen from the salt solutions of certain metals. These solutions may be composed of such metals as copper, gold, mercury, platinum, silver, tin.¹³ The hydrogen that is produced in this process may end as a component in juvenile water.^{see also}

¹⁴ Indeed, there is much water found upon the face of this Earth.

CREATION BY DECAY

Friend, let us begin to examine a few of those basic processes which God used during the Creation of this Earth (and also during the Creation of the whole Universe). The powerful processes of nuclear fission and radioactive decay were in operation at an extremely elevated and intense level during the Creation of the Earth.¹⁵ To start the Creation process which produced all of the other elements, the basic component necessary is none other than simple uranium. Yes, simple uranium, plus the wisdom and mighty Hand of God Almighty.



Surrounding the uranium in the very heart of the Earth is a **third layer** composed primarily of neptunium (atomic number 93). Neptunium is readily produced by fusion, or, in the case of the Earth, it can be produced in a fission process by bombarding uranium-238 with slow neutrons. The latter method forms uranium-239. Upon emitting a beta particle, the uranium-239 decays into the element neptunium-239.¹⁶ This neptunium-239 is an isotope of the standard neptunium-237.

Next, comes a peculiar phenomenon. The neptunium-239 emits a beta particle. It then radioactively decays into plutonium-239.¹⁷ This plutonium, in turn, is the heaviest of the natural elements now being examined. This heavy plutonium sinks through the fluidic-like layer of uranium, and all the way to the very nucleus of the Earth.¹⁸

STARTING LINEUP

Let us, again, examine the very foundation of the Earth! Plutonium is the **first element** at the nucleus of the Earth. The **second general layer** is composed mainly of uranium. The **third layer** in the Earth is composed mainly of neptunium. These are the fuels for the main nuclear reactor at the very heart of the Earth.¹⁹ There may be some intermixing of the elements, but they do tend to gravitate toward their rightful locations. Indeed, God works in amazingly simple, yet powerful ways!

WORDS OF WISDOM

As we begin to study the basic makeup of this Earth, and some of those things which are contained within it, let us consider these words from an ancient man of wisdom: *“As for the earth, out of it cometh bread: and under it is turned up as it were fire.”*²⁰ Friend, there is much wisdom and truth in these few words. What these few short words speak of, could truly fill many volumes.

Out of the soil of this Earth comes much “bread.” There are many crops grown upon this Earth. But underneath everything which we observe, deep within the Earth, things are very different. Underneath it is a superheated mass. The intense heat in the bowels of the Earth is similar to that of a great roaring fire. Friend, this book introduces the nuclear inferno which Almighty God, in all His infinite wisdom, placed deep within the Earth. It also examines what caused this inferno.

TRUE PERSPECTIVE

Friend, this book is only a very basic starting point. The fullness of what God has done cannot be completely grasped by the finite mind of man. But we do see glimpses of the truth written within those things which God has created. We see enough to come to the true knowledge of God the Father, and His beloved Son, our Lord and Savior Jesus Christ.

In relation to this, the apostle Paul wrote: *“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 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...”*²¹

We understand Almighty God and His Son, Jesus Christ, by the things which are made. We come to understand His eternal power, and the truth of God the Father. Truly, mankind is without excuse. They will have no defense for their disobedience and wilful ignorance in the day of judgment. Friend, may we truly learn to love, honor, and obey God as we should, now in this time of grace.

DUE PRAISE

To God belongs much praise! The psalmist cries: *“Blessed be the LORD God, the God of Israel, who only doeth wondrous things. And blessed be his glorious name for ever: and let the whole earth be filled with his glory; Amen, and Amen.”*²²

Truly, may the whole Earth be filled with the glory of God the Father! May all people readily give Him that praise which is due to His sacred name! May we never be negligent in any of these important matters! Blessed be the name of the Lord, both now and forever! Amen!

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 Psalm, chapter 102, verses 25-27.
2. *The Holy Bible*, Book of Isaiah, chapter 48, verses 12-13.
3. *The 1998 Grolier Multimedia Encyclopedia*, "Earth, structure and composition of."
4. *Science*; October 30, 1998; "Seismic Evidence for an Inner Core Transition Zone," Song and Helmberger, pages 924-927.
5. *Microsoft Encarta 98 Encyclopedia*, "Earth."
6. As the heavier and denser radioactive elements at the foundation of the Earth were reacted and disintegrated, they were converted into a much greater volume of lighter and less dense elements. As the initial reaction continued on Day One of Creation, the volume of materials in the Earth continued to increase greatly. Indeed, it was like the Earth was initially grown from a relatively small, very dense and heavy "seed."
7. Indeed, on Day One of Creation, if an evolutionary scientist could have been there, by his radiometric methods of measuring, the Earth would have appeared to be 4.6 some-odd billion years old. But truly, if an evolutionary scientist could have been there on Day One and miraculously survived it, they most likely would be a believer of God's ways, rather than an evolutionary scientist.
8. See: *The Holy Bible*, Book of Genesis, chapter 1, verses 4, 10, 12, 18, 21, 25, 31.
9. *Physical Geology*, by Longwell, Flint, and Sanders, 1969 Edition, on page 460, declares that most volcanoes begin as a jet of [superheated] gases. Once this jet of gases becomes armed with rocky materials broken loose from the walls of the vent, it readily drills its way through to the surface of the Earth.
10. If the rising heat plume originates from the region below the layer which contains the gold, the plume is then able to bring both gold and iron to the surface of the Earth. If the rising heat plume originates from the area above the layer which contains the gold, only iron will be brought to the surface of the Earth. *The 1998 Grolier Multimedia Encyclopedia*, under "Gold", declares that the distribution of gold seems to validate the theory that gold was carried toward the Earth's surface from great depths by geologic activity.
11. It is likely that, because of the nuclear reactions involved, there may be a great amount of turbulence within the heavy radioactive materials at the very nucleus of this Earth. But there is also another factor to consider in this matter. Everything at the nucleus of the Earth in under such extreme pressure (because of the force of gravity and the extreme weight of all the materials which reside above them) that even the gases would be in a relatively solid state. The materials at the nucleus of this Earth should be in a form which we, on the surface of this Earth, have never had the experience of observing. In such a peculiar solid state, there is a possibility that there is not much turbulence in the materials at the nucleus of the Earth. This is a matter which would require a lot of research and wisdom to come to a clearer understanding of precisely what is occurring at the nucleus of the Earth.
12. It should be noted that this plasma is extremely compressed by the force of gravity acting upon all the Earth-materials which envelop it. It may be extremely compressed to the point where it is near to appearing as a solid. The high temperature and pressure within the core of the Earth may place these materials above their critical points at which they will convert into a gas no matter how much addition pressure is placed to bear upon them. An example of this phenomenon occurs with water. At a temperature of 705.6°F (374.2°C), liquid water will convert into its gaseous state no matter how much pressure is exerted upon it.
Let us look at a revealing example of the strange nature of highly compressed gases. According to an article in the August, 1996, issue of *Sky and Telescope* (called "Unsolved mysteries of the Sun - part 1," by Kenneth Lang, on page 38), the gases at the center of the Sun are extremely compressed by the sheer weight of the material above. The gas density in the center of the Sun is said to be 151 grams per cubic centimeter, which is more than 13 times the density of lead. Friend, think on this statement. Imagine a gas which is over 13 times as dense as one of our common metals! What must be the external appearance of these highly compressed gases? Would these compressed gases appear as some type of very unusual solid?
13. *Microsoft Encarta 98 Encyclopedia*, "Uranium."

14. *The Creator and the Cosmos*, by Hugh Ross (Ph.D.), 2001 Edition, on page 203 declares that the radiation which is released during the decay of radioactive materials such as uranium, thorium, and potassium-40 is able to dissociate water molecules into the basic components of hydrogen and oxygen. The research of the writer tends to indicate that the radiation released during the decay of any radioactive material has this same potential of decomposing water into its basic components. The Lord God Almighty, in His infinite wisdom, made sure that there were many methods by which a ready supply of life-sustaining oxygen was available upon this Earth.
15. These processes were powered by a steady, massive, cosmic ray bombardment.
16. *Microsoft Encarta 98 Encyclopedia*, "Neptunium."
17. *Microsoft Encarta 98 Encyclopedia*, "Neptunium."
18. There is an important point which must be noted. At the initial Creation of the foundational layers of this Earth, the immense weight of materials which now exists upon those elements at the nucleus of the Earth did not exist. Because only the relatively small "seed" of the forming Earth was being dealt with at this point, it was not being highly compressed. In a relatively free state, there should have been relatively free movement of these few elements, so that the heavier ones could readily sink toward the center, and the lighter-weight ones would tend to 'float' toward the outer surface. At this initial stage of the Earth, the few foundational elements which then existed, would possibly have been in a somewhat gaseous-appearing, plasmatic state. This indeed would allow free movement of the elements, by atomic weight, to their required position or level in the layering of the forming Earth.
19. An article in the September 25, 2001, issue of the *Proceedings of the National Academy of Sciences of the United States of America* (called "Deep-Earth reactor: Nuclear fission, helium, and the geomagnetic field," by D.F. Hollenbach and J.M. Herndon, on page 11085) acknowledges that there are nuclear fission reactions occurring deep within the Earth.
20. *The Holy Bible*, Book of Job, chapter 28, verse 5.
21. *The Holy Bible*, Book of Romans, chapter 1, verses 18-20.
22. *The Holy Bible*, Book of Psalms, chapter 72, verses 18-19.