

# SCIENCE

Student Book

► **5th Grade | Unit 6**

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# SCIENCE 506

## RECORDS IN ROCK: THE FLOOD

Introduction | **3**

### **1. Before the Flood** ..... 4

The Bible Record | **7**

The Physical Record | **11**

Self Test 1 | **15**

### **2. The Flood** ..... 18

The Bible Record | **20**

The Physical Record | **24**

Self Test 2 | **28**

### **3. After the Flood** ..... 31

The Bible Record | **32**

The Physical Record | **35**

Self Test 3 | **42**

LIFEPAC Test | **Pull-out**

**Author:**

Barry G. Burrus, M.Div, M.A., B.S.

**Editor:**

Brian Ring

**Illustrations:**

Brian Ring

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**804 N. 2nd Ave. E.**

**Rock Rapids, IA 51246-1759**

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# RECORDS IN ROCK: THE FLOOD

Have you seen a picture or television image of a flood? Have you ever seen a real flood or lived through one? Sometimes, the tremendous amount of water is frightening. Water rises above the level where it is normally found. This extra water in a flood can cause damage and even threaten life. Floods can cause great damage, especially if they are major floods.

The Bible records the story of the greatest flood that has ever been on the earth. It was a flood so great that it destroyed almost every living thing on the earth. Only one man and his family lived through this great flood: Noah. Through Noah, God also saved many other kinds of birds and animals from the Flood.

Life on Earth after the Flood was somewhat different from the way it was before the Flood. In this LIFEPAK®, you will explore what the Bible says about life on earth *before* the Flood, *during* the Flood, and *after* the Flood. You will especially focus on the records of the Flood that God has provided, both in the Bible and in the physical parts of the earth.

## Objectives

**Read these objectives.** These objectives tell what you should be able to do when you have completed this LIFEPAK. Each section will list according to the numbers below what objectives will be met in that section. When you have finished this LIFEPAK, you should be able to:

1. Describe Bible records of the earth before, during, and after the Flood.
2. Describe physical records of the earth's past.
3. Explain the relationship between Bible records of the Flood and physical records.
4. Identify changes in the earth after the Flood.



# 1. BEFORE THE FLOOD

God created everything that exists. We often wonder what it was like on Earth at the beginning of God's creation. What was it like many thousands of years ago on Earth? Fortunately, we have some **records** of what it was like long ago. One of those records is the Bible. The first eleven chapters of the Book of Genesis describe God's creation of the world and what happened in the early part of God's creation. We can call this the Bible Record of what happened long ago. The *Bible Record* in Genesis is especially important in understanding God's **intention** for human beings and what happened to human beings in the early part of God's creation.

One very important thing to remember about the Bible Record of long ago is that it is *inspired by God*. The Bible is the word of God. It was written by people who were inspired by God. It tells us the truth that God wants all people to know. By faith, we can know for certain that the Bible Record is true.

## Objectives

**Review these objectives.** When you have completed this section, you should be able to:

1. Describe Bible records of the earth before, during, and after the Flood.
2. Describe physical records of the earth's past.
3. Explain the relationship between Bible records of the Flood and physical records.

## Vocabulary

**Study these new words.** Learning the meanings of these words is a good study habit and will improve your understanding of this LIFEPAK.

**data** (dā' tə) or (dat' ə). Facts; things known; information.

**descendant** (di sen' dānt). Offspring; one born of a certain group or family.

**evidence** (ev' ə dāns). Facts; information and clues that make the truth clear

**fossil** (fos' əl). Hardened remains of a plant or animal. A fossil can also be an imprint of a once-living plant or animal.

**fossilized** (fos' ə līzd). Made into a fossil.

**indicate** (in' də kāt). Point out; show; suggest.

**intention** (in ten' shən). The purpose of acting in a certain way.

**mammoth** (mam' əth). Very large, elephant-type animal that no longer lives on the earth. Mammoths had trunks, hairy skin, and long, curved trunks.

**petrified** (pet' rə fīd). Turned to stone. For example, tree remains that have turned to stone by the action of mineral-rich water are petrified.

**records** (rek' ərdz). Something that relates or recalls past events.

**theory** (thē ə rē'). An explanation based on thinking, reasoning, or observation.

**thistle** (this' əl). A plant that has prickly leaves and stem. Thistles are often considered weeds.

**Note:** All vocabulary words in this LIFEPAK appear in **boldface** print the first time they are used. If you are unsure of the meaning when you are reading, study the definitions given.

**Pronunciation Key:** **h**at, **ā**ge, c**ā**re, f**ā**r; **l**et, **ē**qual, t**ē**rm; **i**t, **ī**ce; **h**ot, **ō**pen, **ō**rder; **o**il; **o**ut; **c**up, p**ū**t, r**ū**le; **ch**ild; **l**ong; **th**in; /TH/ for **th**en; /zh/ for **meas**ure; /u/ or /ə/ represents /a/ in **a**bout, /e/ in **t**aken, /i/ in **p**encil, /o/ in **l**emon, and /u/ in **c**ircus.

The second main record that we have of what it was like on earth long ago can be called the *Physical Record*. This is the record that we can find in rocks, **fossils**, and other ancient remains from long ago. The Physical Record gives us **evidence** that we can see and touch. With this evidence of the Physical Record, scientists and other people attempt to explain what happened long ago and what life might have been like on earth. Sometimes these explanations from physical evidence are developed into a **theory**. These theories can sometimes be useful in helping to explain what happened long ago. However, a theory may or may not be true. A theory is simply man's attempt to explain—from physical evidence, observation, and reasoning—what happened long ago or how things came to be.

One of the most important events on earth of long ago, described in the Bible, is a great flood. It was so great that we call it *the Flood*. The events and record of the Flood are found in Genesis 6–9. In this LIFEPAK, you will examine the Bible Record and some parts of the Physical Record to look at life on earth before, during, and after the Flood. In this section of the LIFEPAK, we will explore the period before the Flood.

**Write the correct word on each line.**

- 1.1** The two main records we have of long ago are the a. \_\_\_\_\_ Record and the b. \_\_\_\_\_ Record.
- 1.2** The Book of Genesis is important in understanding God's \_\_\_\_\_ for human beings.
- 1.3** By faith, we can know for certain that the Bible is \_\_\_\_\_.
- 1.4** Physical evidence of long ago can be found in rocks, \_\_\_\_\_, and other ancient remains.
- 1.5** A \_\_\_\_\_ to explain what happened long ago is developed by people from the physical evidence, observation, and reasoning.

## The Bible Record



**Read Genesis  
chapters 1, 2 and 3.**

The Bible tells us that God created everything that exists. He created everything in an orderly way. He created all of the plants and animals. God created man and woman as the greatest part of His creation. Above all creatures, man and woman were created in God's image. God also saw that everything He had created was good.

Unfortunately, man and woman were tempted by Satan (in the form of a serpent) and disobeyed God. As a result, sin, suffering, and death entered God's creation. Even after they sinned, God helped Adam and Eve by clothing them. However, God made them leave the Garden of Eden to dwell elsewhere on the earth. This is part of man's story before the Flood.

The Bible does not give us lots of physical details about His creation before the Flood. However, it is clear that many plants and animals as well as human beings were on the earth before the Flood. Let us take a look at some of the physical details of life on earth before the Flood according to the Bible Record.

**Plants and animals.** God created many types of plants. Grass, trees, and herbs grew abundantly. They grew well in order for humans and animals to have a food supply. God also planted a garden that grew much food. God placed Adam and Eve in this garden to take good care of it. God looked at everything that he had made and saw that it was very good.

As a result of the sin of Adam and Eve, we see that things changed among the plants and animals. God made the serpent crawl on his belly. New plants appeared: thorns and thistles. The thorns and **thistles** made life more difficult for the people. However, plant life continued to grow well.

A wide variety of animals was placed on the earth by God. Adam was able to name the animals. The Bible tells us that God made fish and birds. Cattle, reptiles, and wildlife roamed the earth. All of these animals were expected to reproduce to keep the earth filled. This was part of God's intention for the earth.

Many believe that human beings did not use animals for food before the time of the Flood. In Genesis 1:29-30, the Bible says that God gave the seed-bearing plants and seed-bearing fruits of trees for man to eat. God also gave plants for the animals to eat, too. We will see that only later, after the Flood, God gave animals to people to use for food.



| God placed Adam and Eve in the Garden of Eden to care for it.





**Write the correct answer on each line.**

- 1.6** The Bible has \_\_\_\_\_ details about the physical world before the Flood.  
a. no                                      b. few                                      c. many
- 1.7** Plants were created for \_\_\_\_\_ according to the Bible.  
a. only the garden of Eden  
b. the whole earth  
c. Adam and Eve
- 1.8** Life was made more difficult for people when \_\_\_\_\_ started to grow.  
a. thorns and thistles          b. grass and herbs                  c. trees and thistles
- 1.9** Animals were to keep the earth filled through \_\_\_\_\_.  
a. reproduction                  b. photosynthesis                  c. roaming the land
- 1.10** The earth before the Flood had \_\_\_\_\_ of plants and animals according to the Bible.  
a. only a few                          b. two of each kind                  c. a great number



## Complete these activities.

- 1.11** List three types of plants that God created.
- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- 1.12** List four types of animals that God created.
- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_

**Human beings.** God created humans in His own image. He placed them on earth to care for His creation. God told man and woman



**Read Genesis 4:1-6:8.**

to reproduce and to have responsibility for all

plant and animal life. After Adam and Eve sinned, they left the Garden of Eden. Children were born to them. The population of human beings began growing. Before the Flood, there were many people upon the earth, according to the Bible. Some of these people were even giants.

The Bible shows that people before the Flood must have been very intelligent. For example, God told Adam to name all of the animals (Genesis 2:19). That must have taken much understanding for Adam to do.

The Bible also shows that people before the Flood knew how to garden and farm (Genesis 2:15 and 4:2-3, 20). A man named Tubal-Cain knew how to make many kinds of tools out of bronze and iron (Genesis 4:22). A man named Jubal had many descendants who knew how to make and play musical instruments. People knew how to build houses and cities (Genesis 4:17). They also knew how to keep records of days, weeks, months, and years (Genesis 5). In other words, the people before the Flood had many talents and skills. They were intelligent, not ignorant.

God gave people before the Flood great intelligence. He also gave them a long life as the Bible Record shows (Genesis 5). Perhaps the long lifetime helped people to grow greatly in knowledge and increase their skills. The Bible shows that they used the gift of intellect that God had given them. They used their minds to sustain and improve their lives on earth.

But the Bible also shows that people on Earth continued to sin, and some people caused harm to others. Cain killed Abel. People grew in wickedness. Some people used their intelligence to plan terrible things. Things grew so terrible among men and women on earth that God was sorry He had made them. So, God planned to make a new beginning for His creation of Earth. He planned to use one man, Noah, to bring about this change. Noah was a man who walked in God's ways.



| Cain killed Abel.



Write *true* or *false*.

- 1.13 \_\_\_\_\_ Some people had very long lives before the Flood.
- 1.14 \_\_\_\_\_ Giants lived on the earth before the Flood.
- 1.15 \_\_\_\_\_ Jubal named the animals.
- 1.16 \_\_\_\_\_ Tubal-Cain taught people how to work with thistles.
- 1.17 \_\_\_\_\_ People before the Flood used great minds for both good and evil plans.
- 1.18 \_\_\_\_\_ People before the Flood knew how to keep a record of time.
- 1.19 \_\_\_\_\_ People enjoyed music before the Flood.
- 1.20 \_\_\_\_\_ People never lived in cities until after the Flood.



Complete these activities.

1.21 The following puzzle contains a key Bible quote for this section of the LIFEPAK. Follow these directions to solve the puzzle.

- ☐
- ☐
- ☐
- ☐
- ☐

- a. Begin at the arrow.
- b. Draw a line from the first letter to the next.
- c. You may go to the side, up, or down.
- d. You may not go diagonally or skip a letter.
- e. Continue with the line until you have all the words that form a complete verse.

1.22 Write the Bible quote here:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

➤	A	N	D	E	V	S	A
V	E	W	G	R	Y	G	W
E	R	A	O	H	A	O	T
T	Y	S	D	E	D	O	I
H	H	A	T	H	M	D	D
I	T	A	E	D	A	O	L
N	G	N	D	B	E	H	

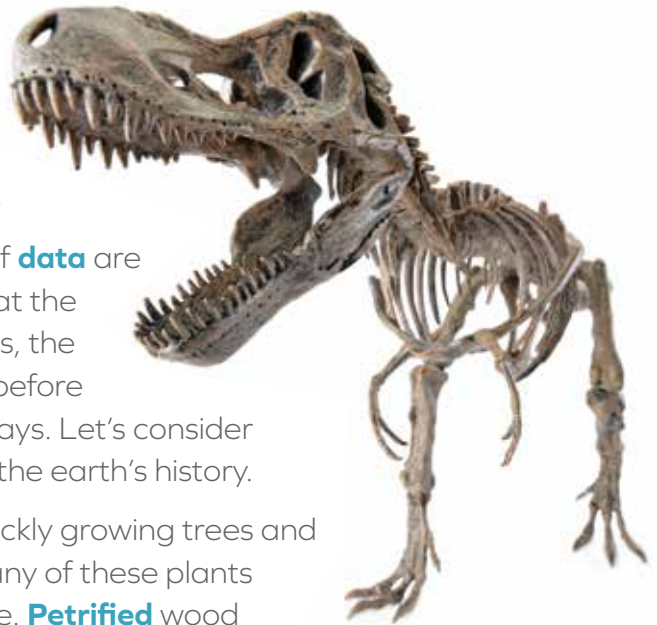
1.23 The quote is found in Genesis chapter 1. What verse is it? \_\_\_\_\_

\_\_\_\_\_

## The Physical Record

God gave us a written record in the Bible about the times before the Flood. However, God has also provided another main kind of record for us about these times. This is the Physical Record found in rocks, fossils, and other ancient remains. We can learn much about these times of long ago from fossils and rocks. When these bits of **data** are considered together, we can tell something of what the earth was like. Although there are some similarities, the data from rocks and fossils tells us that the world before The Flood was different from our world in many ways. Let's consider some of the physical evidence from early times in the earth's history.

**Plants and animals.** Fossils show that long ago thickly growing trees and other plants covered great areas of the earth. Many of these plants were similar to those growing today except for size. **Petrified** wood and **fossilized** leaves show that earlier plants were of great size. This data also indicates that the earth had a rich cover of plants.



| Tyrannosaurus Rex

Records in rocks also show that the earth contained huge animals. Fossils of **mammoths** and dinosaurs have been found. Smaller animal fossils have also been discovered. The variety of animal species found in fossil form is greater than is on earth today. In addition, the fossils show that many animals of long ago seem to have been stronger and larger than their **descendants** today.

Fossils of plants and animals present an interesting fact. Fossils of mammoths have been discovered in every section of the earth except South America and Australia. Fossils of certain trees have been found in every section of the earth from the polar regions to the equator. From this data, it appears that most species could live anyplace on earth. Some people conclude that at sometime in the past the earth's climate was without seasons which were marked by large temperature changes. Therefore, the whole earth would have had a similar climate. The climate was warm enough to allow the earth to become rich in plant and animal life everywhere.



**Define these words.** Use the vocabulary from this LIFEPAK or a dictionary.

- 1.24

fossil
- 1.25

petrified
- 1.26

data
- 1.27

descendants
- 1.28

fossilized

**Human beings.** Humans also lived on the earth before the Flood, according to fossil records. Fossilized human remains have been found that have been dated before the Flood. Some human fossils have been found that were located with mammoth bones and other ancient animal fossils. Yet, only a few human fossils have been found compared to the large number of animal and plant fossils. The Physical Record exists of man of long ago before the Flood, but there is not a lot of evidence.





**Write the letter for the correct record before the statement.**

- |             |   |                                    |
|-------------|---|------------------------------------|
| <b>1.29</b> | _____ There were many animal species.         | a. Bible Record                    |
| <b>1.30</b> | _____ Humans lived before the Flood.          | b. Physical Record                 |
| <b>1.31</b> | _____ Climate was similar over the earth.     | c. Both Bible and Physical Records |
| <b>1.32</b> | _____ God made Adam.                          |                                    |
| <b>1.33</b> | _____ Ancient animals were very large.        |                                    |
| <b>1.34</b> | _____ Tubal-Cain worked with bronze and iron. |                                    |



**Complete these activities.** An important reading skill is to compare and contrast ideas you have read about. When you compare, you find likenesses between ideas. When you contrast, you find differences between ideas. Often you can use this skill to compare or contrast ideas with things you know about.

In this activity, you will compare and contrast information that you have read so far in this LIFEPAK with what you know about the earth today.

- 1.35** The earth's climate
- a. Compare: \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- b. Contrast: \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

1.36 Animal species


a. Compare: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b. Contrast: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1.37 Plant size

a. Compare: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b. Contrast: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**Teacher check:**

Initials \_\_\_\_\_ Date \_\_\_\_\_



**Review the material in this section to prepare for the Self Test.** The Self Test will check your understanding of this section. Any items you miss on this test will show you what areas you will need to restudy in order to prepare for the unit test.

## SELF TEST 1

**Match these items** (each answer, 3 points).

- |              |       |                                   |                 |
|--------------|-------|-----------------------------------|-----------------|
| <b>1.01</b>  | _____ | named the animals                 | a. Seth         |
| <b>1.02</b>  | _____ | descendants played music          | b. dinosaur     |
| <b>1.03</b>  | _____ | killed Abel                       | c. point out    |
| <b>1.04</b>  | _____ | worked with bronze and iron       | d. Adam         |
| <b>1.05</b>  | _____ | records in rocks                  | e. Jubal        |
| <b>1.06</b>  | _____ | information                       | f. thorns       |
| <b>1.07</b>  | _____ | indicate                          | g. Genesis      |
| <b>1.08</b>  | _____ | early animal                      | h. Tubal-Cain   |
| <b>1.09</b>  | _____ | how animals kept the earth filled | i. fossils      |
| <b>1.010</b> | _____ | tells the Flood story             | j. data         |
|              |       |                                   | k. Eve          |
|              |       |                                   | l. Lamech       |
|              |       |                                   | m. Cain         |
|              |       |                                   | n. reproduction |

**Answer true or false** (each answer, 2 points).

- 1.011** \_\_\_\_\_ There were definite seasons of large temperature changes on Earth before the Flood.
- 1.012** \_\_\_\_\_ Giants lived on Earth before the Flood.
- 1.013** \_\_\_\_\_ Mammoth fossils have been found only near the equator.
- 1.014** \_\_\_\_\_ More human fossils have been found than any other type of fossil.
- 1.015** \_\_\_\_\_ The Bible has a very detailed physical description of the earth before the Flood.
- 1.016** \_\_\_\_\_ Humans were placed on the earth to take care of it.
- 1.017** \_\_\_\_\_ There were no cities before the Flood.

**1.018** \_\_\_\_\_ Plants were created only for the Garden of Eden.

**1.019** \_\_\_\_\_ By faith, we can know that the Bible Record is true.

**1.020** \_\_\_\_\_ Physical records show that God made Adam.

**Write the following events in the correct order** (each answer, 3 points).

Thistles began growing.

Most of the people were very wicked.

People invented methods of building and instruments for music.

Adam and Eve lived in the Garden of Eden.

God was sorry that he made humans who had become so wicked.

**1.021** \_\_\_\_\_

**1.022** \_\_\_\_\_

**1.023** \_\_\_\_\_

**1.024** \_\_\_\_\_

**1.025** \_\_\_\_\_

**Write the letter of the correct answer of each line** (each answer, 3 points).

**1.026** The variety of animal species is \_\_\_\_\_ today compared with the variety before the Flood.

- a. less                                      b. about the same                                      c. more

**1.027** Some people believe that humans did not \_\_\_\_\_ before the Flood.

- a. eat meat                                      b. cook                                      c. eat seeds

**1.028** People before the Flood used their great minds for \_\_\_\_\_.

- a. good                                      b. evil                                      c. good and evil

**1.029** Petrified wood is \_\_\_\_\_ evidence of ancient times.

- a. physical                                      b. Bible                                      c. not

**1.030** Evidence shows that most animals of the same species today are \_\_\_\_\_ than they were before the Flood.

- a. smaller than                                      b. larger than                                      c. the same size as

**Answer this question** (this answer, 5 points).

**1.031** Why did God want to make a new beginning with Noah? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Define these words** (each definition, 5 points).

**1.032** data \_\_\_\_\_  
\_\_\_\_\_

**1.033** descendant \_\_\_\_\_  
\_\_\_\_\_

**1.034** fossil \_\_\_\_\_  
\_\_\_\_\_

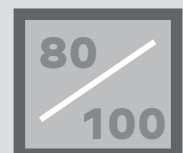


**Teacher check:**

Score \_\_\_\_\_

Initials \_\_\_\_\_

Date \_\_\_\_\_







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Rock Rapids, IA 51246-1759

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SCI0506 – Jan '16 Printing

ISBN 978-1-58095-526-3



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