

Lesson 1

What is Science?

True science is a process of gathering knowledge that has been obtained by testing, observing, and reproducing the results.

How could you know the following statements to be true?

Do we know them by observation (seeing or hearing), experimentation (testing) or believing? Mark (O) for observation, (E) for experimentation or (B) for believing.

- ___ 1. Cheetahs can turn in midair to follow their prey.
- ___ 2. Owls sleep during the daylight hours.
- ___ 3. Armadillos have four babies at a time and they are always the same sex.
- ___ 4. If you put a raisin in a glass of carbonated lemon-lime drink, it will keep floating to the top and sinking to the bottom.
- ___ 5. It takes four hours to hard-boil an ostrich egg.
- ___ 6. There are 25 chocolate chips in an average store bought chocolate chip cookie.
- ___ 7. No new water is being created.
- ___ 8. All human beings have the capacity to love.
- ___ 9. God created the world in six days.



Chapter 1 **Worldview**

Lesson 1

Two Models of How the World Began

Model 1

Over fifteen billion years ago, a large explosion occurred. This led to the development of the universe and the earth. After the earth was formed, water accumulated on the surface of the earth and life formed in the water. Over millions of years, all forms of life—plants, insects, birds, mammals, reptiles, and man developed. This idea is called the “Model of Evolution.”

Model 2

In the beginning, God created the heavens and the earth. Darkness was everywhere. Then God said, “Let there be light.” Light shone all around. He called the darkness night. He called the light day. That was the first day. On the next day, He created the atmosphere and separated the waters. On the third day, He created dry lands and seas. He then created trees, flowers, and shrubs. On the fourth day, He created the moon, planets, and stars. On the fifth day, God created living, breathing life: the fish and the birds. He created all living creatures of the water (visible and microscopic). On the sixth day, God created land animals. After He finished creating the land animals, He created man, a special creation, who was created in the image of God Himself. On the seventh day, God rested. He looked at what He had made and declared it was good. This idea is called the “Model of Creation.”



Chapter 1 **Worldview**

Lesson 1

Why We Should Study Truth in Science

Colossians 2:8 (KJV)

“Beware lest any man spoil you through philosophy and vain deceit, after the tradition of men, after the rudiments of the world, and not after Christ.”

By studying Truth in Science we won't be
deceived by philosophy and vain or empty words.



Chapter 1 **Worldview**

Lesson 1

Vocabulary

Evolution—a gradual process in which something changes into a different and usually more complex or better form; does not always apply to Darwinian Biological Evolution

Indignation—God’s righteous anger

Philosophy—a system of values by which one lives

Model—a scientific idea that suggests how something might have happened or how it works

Worldview—the overall perspective, or way that a person sees and interprets the world

True Science—a process of gathering knowledge that has been obtained by testing, observing, and reproducing the results

Creation—the divine act by which the world was brought into existence

Theory—a reasonable explanation about something, with basic scientific support

Secular—not having to do with religion

Hypothesis—an educated guess

Chapter 1 Worldview

Lesson 1

Vocabulary Matching Answer Key

Letter	Definition	Word
F	1. a process of gathering knowledge that has been obtained by testing, observing, and reproducing the results	A. evolution
E	2. the overall perspective, or way that a person sees and interprets the world	B. indignation
D	3. a scientific idea that suggests how something might have happened or how it works	C. philosophy
C	4. a system of values by which one lives	D. model
A	5. a gradual process in which something changes into a different and usually more complex or better form	E. worldview
B	6. God's righteous anger	F. true science
G	7. the divine act by which the world was brought into existence	G. creation