



7

There is no activity for the kids to do on this page. Read the dialogue together.



# My Outer Space Adventure—Disciple Guide Answer Key—Lesson 1

That's right! The sun's gravitational force holds them in orbit. Life also goes best when all our activities center on God.

So, what is God really like?

For starters, check out His two primary Bible names—Elohim and Yahweh.

The planets in our solar system all circle the sun.

God has many different names in the Bible. **Elohim** means "Mighty One" or "Supreme Deity." "In the beginning, **Elohim** created the heavens and the earth" (Genesis 1:1). **Elohim** is the broadest Old Testament name for God. This title reveals that God is the Mighty One with supreme authority.

God also identifies Himself as **Yahweh**, or "I AM." This name indicates that God is entirely self-existent—the God who **is**.

**Yahweh** is God's personal name—He is Person (but not human). God reveals His name because we are important to Him! **Yahweh** wants us to know who He is, what He is like, and what He can do.

**Write an E or Y beside each Bible verse to identify the name of God it describes:**

- Y** John 8:58
- E** Genesis 1:1
- Y** Exodus 3:14
- E** Psalm 19:1

**Elohim "God"**  
The Old Testament word translated "God" in English Bibles.

**Yahweh "LORD"**  
A most English Bibles the Hebrew word *Yahweh* is translated "LORD" (with the use of small letters).

2 The Elohim/Yahweh verses are more about prompting discussion than getting right/wrong answers.

The Bible clearly communicates that there is only one true God. The Old Testament gives clues that God exists as three-in-one. The New Testament plainly presents this idea—called the Trinity. Carefully read these verses and write the clue words that God is three-in-one:

Genesis 1:26 **us, our**

Matthew 28:19 **Father, Son, Holy Spirit**

I get confused about Jesus. Is He the same as God—or different?

Good question! I'm confused. It's the Trinity. A simple sketch might help.

Draw in our Adventure Log Book!

It's getting dark. Let's put this telescope to work!

The one, true God exists as three distinct Persons, each fully God. The Father, the Son, and the Holy Spirit are of the same substance, but have different functions.

**Father** (God is the Father who adopts believers into His own family.)

**Son** (God is the only Son who died to forgive our sins and rose to give us new life.)

**Holy Spirit** (God is the Holy Spirit who empowers believers to be holy and pure.)

Father      Son (Jesus)      Holy Spirit

**THE SUN IS ALSO LIKE THE TRINITY. ONE SUN HAS THREE DIFFERENT JOBS:**

1. Its gravity keeps the planets in motion.
2. Its light helps us see.
3. Its heat energy enables everything to grow.

The sun's gravity, light, and heat all come from one source.

3



Why do you think the Bible has so many different answers for God?

Just as all the planets circle the sun, all life's activities can revolve around God.



Heart Beat

List two activities from your life; then ask God to help you surrender each one to His supreme control.

- 1.
- 2.

**answers will vary**

Does the Bible say that everything revolves around the earth?

No, the Bible does not directly refer to the motion of the planets. An ancient philosopher named Ptolemy taught (incorrectly) that the sun and all the planets moved around the earth. Early church leaders made the big mistake of promoting Ptolemy's ideas as God's Word. Instead, they should have admitted that the Bible is "silent" on the subject.

When Galileo used a telescope to track the motion of planets, he realized that they revolved around the sun. Unfortunately, the Church held tightly to Ptolemy's wrong teaching—and made things difficult for Galileo. Many years later, church leaders admitted their error and apologized.

**God is Supreme Deuteronomy 4:39**

UNIVERSAL TRUTH: One God rules the universe as Supreme Being—Father, Son, and Holy Spirit.

4

God is Infinite Creator

2

I had no idea that many stars are out there!

Our science teacher says that everything started with a "big bang!"

The Bible says that God created it all.

Both of those explanations of the origin of the universe take faith!

Use words or pictures to show what you have heard about these explanations:

**BIG BANG**  
**answers will vary**

**BIBLICAL CREATION**  
**answers will vary**

**SPACE FACT**  
On Christmas Eve in 1968, Apollo VIII astronauts opened a Bible and read Genesis 1-3 (the creation account) to everyone listening on earth.

5

5



# My Outer Space Adventure—Disciple Guide Answer Key—Lesson 2

**all-knowing**  
God understands everything about everything. (Psalm 147:4-5)

**almighty**  
God has unlimited power to do anything. (Jeremiah 32:17)

**everywhere**  
God exists in every place. (Jeremiah 23:23-24)

**eternal**  
God exists forever—without beginning or end. (Psalm 90:2)

**unchanging**  
God is endlessly the same. (Hebrews 13:8)

Five qualities show that God is infinite—He has no boundaries or limitations. Use the word bank star to identify each quality with the sentence that explains it.

almighty  
everywhere  
eternal  
unchanging

There must be no end to outer space!

The universe is huge—but it still has boundaries.

If God created it all, He's even bigger!

God is infinite—endless in every way!

6

**GOD MADE** DAY 1 1:1-5

**EVERYTHING** DAY 2 1:6-8

**FROM NOTHING** DAY 3 1:9-13

**HE GIVES LIFE** DAY 4 1:14-19

**TO ALL THINGS** DAY 5 1:20-23

**THAT EXIST** DAY 6 1:24-31

**answers will vary**

Draw pictures to show God's activity during the first six days of Genesis.

A God like that could easily create the universe.

7



**Heart Beat** Every explanation of the origin of the universe requires faith to believe. Circle the one you believe is true. Then tell someone why.

**Big Bang answers will vary** **Biblical creation**

**God is Infinite Creator Hebrews 11:3**

**UNIVERSAL TRUTH:** The all-powerful, all-knowing God created everything out of nothing.

**8**

**Why do many scientists leave God out of creation?**

In recent years, scientists began to believe natural laws alone—rejecting supernatural options. For them, the scientific method is the ultimate test of truth, and faith is a weakness that cannot stand up to scientific reasoning.

Because no one witnessed the birth of the universe, scientists must begin by making assumptions. Some assume God does not exist, so they try to make sense of everything based on science alone. Others assume God created everything and designed laws that govern the way the universe works.

Although the “Big Bang” is only one theory that attempts to explain how things came to be, science classes are taught as if it were actually true. But many scientists have strong evidence that the universe shows fingerprints of “intelligent design.”

**God is Majestic King**

**3**

Up close, the moon is awesome—beautiful—and huge!

What keeps the moon in orbit around the earth?

Maybe the “man in the moon” has a powerful remote control!

God designed a force—gravity—that keeps objects in space moving in harmony with each other.

The gravitational pull of the earth on the moon, combined with the pull of the moon on the earth, keeps the moon in orbit. Gravity holds the moon at the perfect distance.

The earth's gravity is six times stronger than the moon's gravity.

**answers will vary**

I weigh \_\_\_\_\_ on earth.

I can jump \_\_\_\_\_ feet high on earth.

How much would you weigh on the moon? (x 6) \_\_\_\_\_

How high could you jump on the moon? (x 6) \_\_\_\_\_

**SPACE FACT**

Sir Isaac Newton, a devoted Christian, often gave God credit for “inventing” the laws of planetary motion that he discovered.

**9**

Kids divide their current weight by six, and multiply their jump distance by six to arrive at the answers.



# My Outer Space Adventure—Disciple Guide Answer Key—Lesson 3

God's "laws of planetary motion" are like the glue that holds the universe in place. The Lord placed the moon, all the planets, and every star exactly where He wanted them to be. God is King—and the universe is His kingdom!

Write the words of Psalm 47:2 on the craters of the moon.

for the high is  
 Lord most is  
 awesome the great  
 (translations will vary)  
 over all  
 King earth  
 the

10

10 Different Bible translations will result in slightly different words and word counts.

The Lord reigns over His kingdom from heaven.  
 Discover what makes God such a great King. The Bible verses and descriptions will help you identify qualities of God. Use the word bank around the throne to help you.

**GOD IS awesome**  
 God's magnificent wonders inspire fear and respect. (Psalm 89:6-7)

**GOD IS beautiful**  
 God is altogether desirable—perfect in every way. (Psalm 27:4)

**GOD IS worthy**  
 God deserves reverence, praise, and total allegiance. (Deuteronomy 10:20-21)

**GOD IS glorious**  
 God is beyond compare in majesty, splendor, and honor. (Psalm 19:1-2)

**GOD IS sovereign**  
 God controls all things—nothing blocks His plans. (Psalm 103:19)

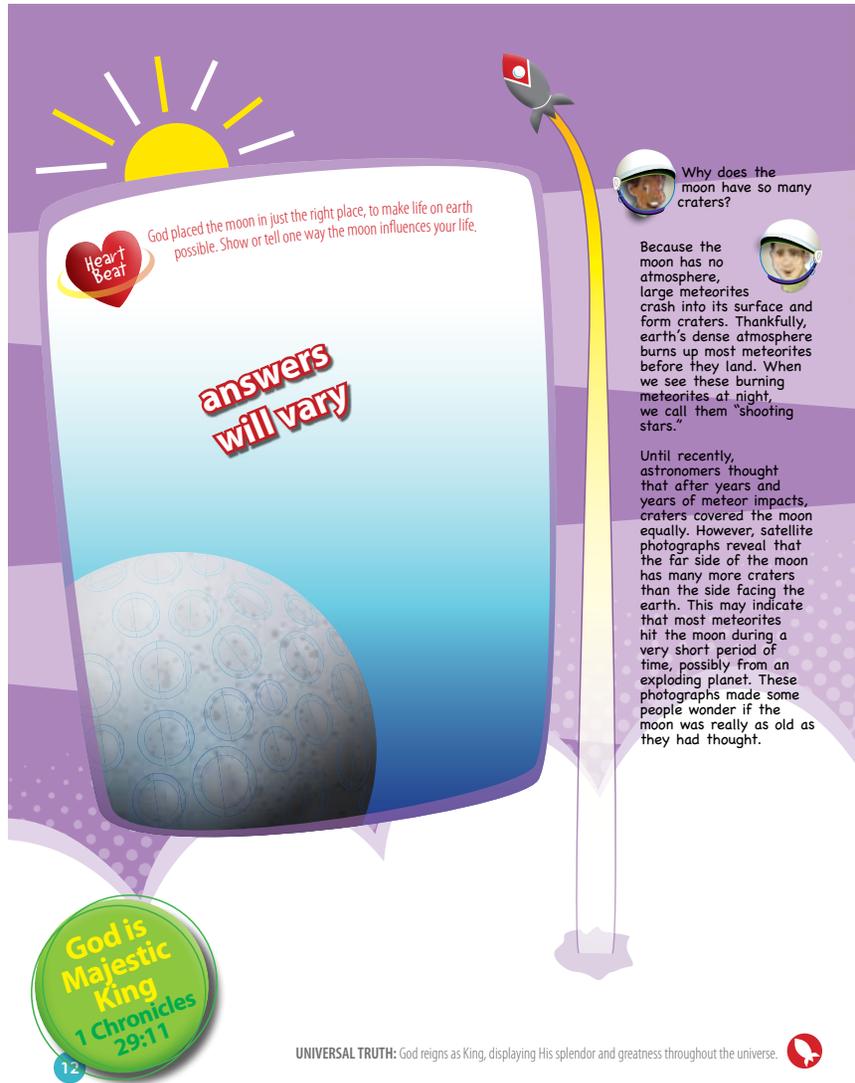
**GOD IS light**  
 God shines through the darkness, making everything visible. (1 John 1:5)

These moon photos you brought are amazing!  
 Wouldn't it be cool to actually walk on the moon?  
 Jesus walking on the earth is more important than man walking on the moon.  
 Wait—"astronaut Jim Irwin"—that's you! You walked on the moon!  
 Tomorrow, I'd like to show you a very special jet I'm testing out.

11

11





**Heart beat** God placed the moon in just the right place, to make life on earth possible. Show or tell one way the moon influences your life.

**answers will vary**

**Why does the moon have so many craters?**

Because the moon has no atmosphere, large meteorites crash into its surface and form craters. Thankfully, earth's dense atmosphere burns up most meteorites before they land. When we see these burning meteorites at night, we call them "shooting stars."

Until recently, astronomers thought that after years and years of meteor impacts, craters covered the moon equally. However, satellite photographs reveal that the far side of the moon has many more craters than the side facing the earth. This may indicate that most meteorites hit the moon during a very short period of time, possibly from an exploding planet. These photographs made some people wonder if the moon was really as old as they had thought.

**God is Majestic King**  
1 Chronicles 29:11

**UNIVERSAL TRUTH:** God reigns as King, displaying His splendor and greatness throughout the universe.

12



**God is Selfless Lord**

**4**

**What a cool jet!**

**Was the rocket you took to the moon anything like it?**

**That rocket was much bigger—and it had no wings.**

**What's it like to be an astronaut?**

**Astronauts spend most of their time training for the next spaceflight. These pictures will give you an idea.**

**Circle the words that describe an astronaut's life.**

exhausting, safe, exciting, boring, challenging, easy, rewarding, practice makes perfect

**SPACE FACT**

Astronaut Jim Irwin was the eighth human being to walk on the moon—and the first to drive a wheeled vehicle across its surface.

13



# My Outer Space Adventure—Disciple Guide Answer Key—Lesson 4

Many people are confused about what God is really like. Put a "P" on each line to show what most people think God is like. Then read each verse and put a star "★" on the line to show what the Bible says about God.

**God's Character Calculator**

Good  Psalm 119:68

Sad  Psalm 16:11

Proud  Philippians 2:5-8

Loving  1 John 4:16

Ugly  James 1:11

Stumble  James 1:11

Hateful  1 John 4:16

**God's Conduct Calculator**

Upset  2 Peter 3:9

Generous  2 Corinthians 9:8

Cruel  Psalm 103:8

Mean  Romans 2:4

Greedy  2 Corinthians 9:8

Merciful  Psalm 103:8

Kind  Romans 2:4

answers will vary

God's character confirms who He is and what He is like as a Person. Who God is determines how God deals with people.

14

## Earth—the Goldilocks Planet

God designed a special planet where seven essential ingredients are "just right" for people! Write numbers or draw images from the picture-bank below to show how each one is "just right" on earth.

15

14

The "P" answers will be based on each child's unique experiences with others.

15

See the Teacher Guide and [DiscipleLand.com/downloads](http://DiscipleLand.com/downloads) for a full guide to the answers on this page.



God has blessed the earth more than any planet in the universe. What impresses you most about how the Lord designed this planet to support life?

**Heart beat**

**answers will vary**

Does life exist on any other planet?

We have made many moon explorations, sent Viking satellites to Mars, and Voyager probes to Jupiter, Saturn, and Uranus. All have revealed extremely harsh conditions. It is clear that no other planet in our solar system can sustain life as we know it.

Some scientists hope to find life on other planets to support their belief that life began on the earth without an apparent cause (without God). For decades, radio telescopes have been beaming messages out and listening for incoming signals. So far, all our efforts to detect life beyond earth have identified nothing else "out there."

HANG ON!  
The computer switched our flight plan. I have no idea where we're headed or when we'll be back!

WHAT'S GOING ON?

THE RED BUTTON IS FLASHING!

Uh-oh! Now I'm in big trouble!

Now we're lost in space!

Dee, why did you press the button?

I was just so curious!

Humans have faced that same temptation since the Garden of Eden.

**God is Selfless Lord**  
Psalm 86:5

UNIVERSAL TRUTH: God is Lord over all—but He shows personal concern for people.

16

**God is Upright Judge**

5

What temptation do you struggle with? Write key words in Morse code.

**answers will vary**

Our solar system has eight "official" planets.

In 2006, astronomers reclassified Pluto as a "dwarf planet."

**SPACE FACT**

17

Children write in code so that others will not see their answers.



# My Outer Space Adventure—Disciple Guide Answer Key—Lesson 5

The Creator established laws of physics that govern the planets. He also set up rules to guide people. God has full authority to decide what is right and wrong. He is the upright Judge who rewards and punishes people according to those laws.

Roman astronomers associated bright, moving objects in the night sky (the planets) with mythical gods and goddesses. Use the clues to identify each planet.

**earth** means "ground"

**faithful**  
God is steadfast and loyal. He keeps every promise forever. (Deuteronomy 7:9)

**venus** goddess of love

**righteous**  
God always does what is right. He is incapable of wrong. (Deuteronomy 32:4)

**mercury** god of the sky

**holy**  
God is altogether pure. He stays away from sin. (Leviticus 19:2)

**mars** god of war

**truth**  
God is altogether honest and true. He cannot lie. (John 14:6)

Use Morse code to identify qualities of the upright Judge.

We're flying so fast that it's already night!

Actually, we've escaped earth's atmosphere. We're speeding through space.

18

**jupiter** king of the gods

**wise**  
God chooses the best plan—and the best path to complete it. (Romans 11:33-34)

**saturn** god of time

**just**  
God judges rightly and fairly—without showing favor. (Psalm 19:9)

**uranus** god of the sky

**jealous**  
God fiercely guards His name and reputation. (Exodus 34:14)

**neptune** god of the sea

**wrathful**  
God hates sin and evil. He will judge every wrong. (John 3:16)

There's Mars, the red planet.

The Judge knows that I'm "guilty."

19



**Heart beat** God designed fascinating features on each planet in the solar system. Why do you think He made them all so different?

God made you a unique person. In what ways are you special to Him?

**answers will vary**

Kids—something's coming up fast—dead ahead! Strap yourselves in—and PRAY!

Do all the planets spin in the same direction?

Venus and Uranus rotate in the opposite direction of all the other planets in our solar system. This fact puzzles scientists who support the "Big Bang" theory. They believe all the pieces eventually spun together as stars and planets after the huge explosion. If this theory were true, then all the planets formed in our solar system would spin in the same direction.

Astronomers are also trying to figure out why Triton, Neptune's biggest moon, rotates in the opposite direction as Neptune. Every other moon spins in the same direction as its parent planet. The best explanation is that God created it that way!

**God is Upright Judge**  
Ecclesiastes 12:14

20

UNIVERSAL TRUTH: God makes righteous rules and judges all people by them.

**God Blesses**

6

Lord, protect us from whatever is out there.

Father, watch over us and be with us right now.

God, please help Colonel Irwin know what to do.

And forgive me for pushing the red button!

Hang on! We've got to dodge some "space junk"!

When was the last time you asked God to protect you?

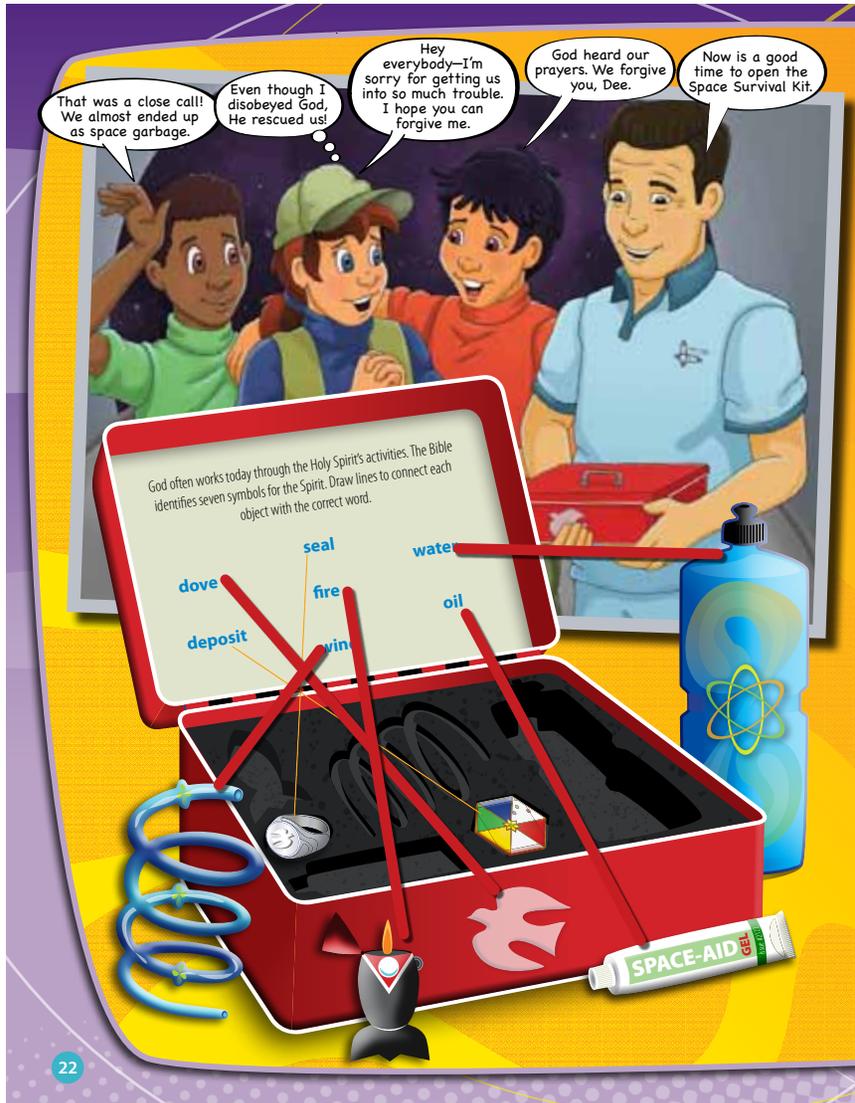
**answers will vary**

**SPACE FACT**

The first space collision took place in 2009 when unmanned satellites from Russia and the United States crashed into each other. As a result, nearly 1000 new pieces of "space junk" began orbiting earth.

21

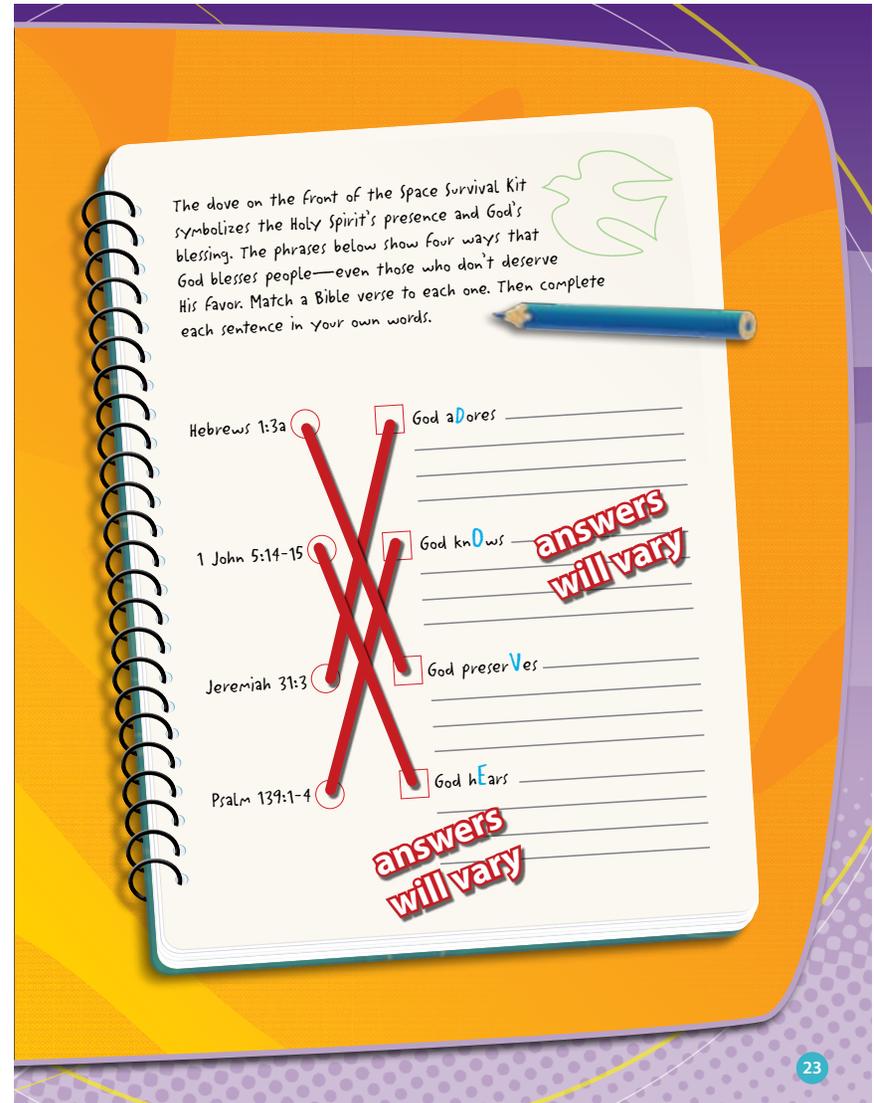
# My Outer Space Adventure—Disciple Guide Answer Key—Lesson 6



22

22

Help kids identify each item—they will encounter the items in all subsequent lessons.



23

23



**Heart Beat** Satellites send valuable data and amazing photos from distant places in space. Create a satellite that might improve the lives of others.

**answers will vary**

But how do you use these things in the Survival Kit—and when?

Why do we have so many satellites—and how do they stay in orbit?

Most artificial (man-made) satellites circle the earth. Some provide information about weather patterns. Some satellites transmit billions of voice, data, and video signals. Others are used for navigation (GPS), scientific research, or military surveillance. Still other artificial satellites explore outer space.

All satellites (including the moon, our largest and only natural satellite) stay in orbit through the combination of satellite speed and the earth's gravity. If satellites slow down, they fall to earth and are burned up in its atmosphere.

**God Blesses Matthew 5:45**

UNIVERSAL TRUTH: God blesses all people so they can respond to His love.

## God Saves

Everything in the Survival Kit has both a practical use and a spiritual use. The practical use comes during a space emergency. The spiritual use shows the Holy Spirit in action.

Number each item in the Survival Kit to identify its practical use.

- 1 Dove—to remember God is always present
- 2 Six-sided Token—to reprogram the flight plan
- 3 Ring—to prove authority to use computer
- 4 Lighter—to destroy impurities
- 5 Bottle—to maintain energy level
- 6 Lotion—to shield from radiation
- 7 Turbo-straw—to activate oxygen supply

**SPACE FACT**

Astronauts aboard Apollo 13 survived an oxygen tank explosion 200,000 miles up in space. After overcoming many hardships, they safely returned to earth. (The dramatic events were represented in the movie "Apollo 13.")

# My Outer Space Adventure—Disciple Guide Answer Key—Lesson 7

This token can rescue us from my big mistake!

Its center reminds me of the Christmas star.

As a boy, I enjoyed performing in the Christmas story.

Just as wise men followed the special star to Bethlehem, God calls people today to follow Jesus, His Son—the Light of the world. Number each Bible verse to match the Good News statement that it explains.

**Romans 5:8** 3

**John 5:24** 4

**John 3:16** 1

**Acts 1:8** 6

**Romans 3:23** 2

**John 1:12** 5

- 1. God made you and loves you**  
God wants you to know Him!
- 2. God knows everything about you**  
Every person sins against God
- 3. Jesus died to forgive your sins**  
He took the punishment you deserved
- 4. Jesus rose to give you new life**  
You can trust Jesus and receive new life
- 5. Are you ready to trust Jesus as your Savior?**  
YES / NO
- 6. Trust God to empower you**  
The Holy Spirit will always guide you

What's on the other side of the token?

This side shows what Jesus' death on the cross accomplishes for us!  
Read the Bible verses.  
Then match a key word from the coin with each verse.

**Romans 5:10**

**1 Peter 1:18-19**

**Isaiah 53:5-6**

**God substitutes for us.**  
God's Son took the place of people who deserved to die for their sins.

**God reconciles us.**  
God befriends people who were previously His enemies.

**God redeems us.**  
God's Son paid the ransom price to free people from sin.

The Holy Spirit is like a security deposit—pledging God's full payment for our salvation. Circle the sentence that means the most to you. Tell someone why.

**Heart beat**

**God substitutes for us**  
Jesus took the place of people who deserved to die for their own sins.

**answers will vary**

**God reconciles us**  
God befriends people who were previously His enemies.

**God redeems us**  
God's Son paid the ransom price to free people from their sin.

This token allows us to reprogram our flight plan! What do you want to see next?

a comet!  
a black hole!  
a supernova!

Can astronomers identify the star that the wise men followed to Bethlehem?

People have various theories about the star that appeared over Jesus' birthplace—a comet, an alignment of planets, or a supernova (exploding star). Astronomers have estimated the position of comets, planets, and stars during the time of Jesus' birth, but none of those theories matches the data. So, it is not likely that natural cosmic events can fully explain the Bethlehem star.

It is probably best to view the Christmas star as a unique, supernatural event. Perhaps God shined an intensely bright light from heaven, signaling to the wise men that the promised King had been born. After they reached Jerusalem, the heavenly light may have shone again—directly over the place in Bethlehem where Jesus was staying. (See Acts 9:3 for a similar story.)

**God Saves**  
Matthew 1:21

**UNIVERSAL TRUTH:** God left heaven and came to earth to rescue people from sin.

## God Seals

8

This "deposit token" fits right here.

Something's wrong—the computer still won't change our flight plan!

The computer needs proof that we are authorized to program it.

Use the Survival Kit seal-ring! Then we can head to the nearest black hole.

VERIFY! VERIFY!

Draw several different types of "seals." What is each one used for?

**answers will vary**

**SPACE FACT**

When a star burns out of fuel, it "dies" and collapses into itself, forming a "black hole." Powerful gravitational forces eventually pull everything around the black hole inside (like water swirling down the drain). Even light can't escape—hence the name "black hole."

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# My Outer Space Adventure—Disciple Guide Answer Key—Lesson 8

All people face death and eternal separation from God—like being drawn into a black hole. When we believe that Jesus died for our sins, God gives us the free gift of salvation. At that moment, God's Spirit places His seal of ownership on us—proving that Christians belong to God. He frees us from powers of darkness and pulls us into the light.

*Cross out the statements that are NOT true about black holes:*

- contain incredible energy
- prove the universe is dying
- invisible
- weigh billions of tons
- produce X-rays
- smaller than a Cheeto

*Handwritten annotations:*

- A red 'X' is drawn over the word "invisible".
- A red 'X' is drawn over the word "weigh billions of tons".

30

30

God makes it absolutely clear who belongs to Him—and who does not. To prepare His followers for kingdom service, God supplies other wonderful benefits. Discover what they are by drawing lines that connect each image to the words and verses that explain it.

- Justifies**  
Romans 5:1  
God declares people "not guilty" removing their sin and counting their righteousness as His own.
- Adopts**  
John 1:12-13  
God welcomes believers into His family, making them His own children.
- Baptizes**  
1 Corinthians 12:13  
God places all Christians into the universal Body of Christ, the Church.
- Raises**  
Romans 8:11  
God gives new life to people who were dead because of their sin.
- Indwells**  
John 14:16-17  
God comes to live within everyone who believes in Jesus Christ.

31

31

**Heart beat**

The Holy Spirit is like a seal of ownership—proving that believers belong to God. Tell what each of these benefits of believing means to you:

**God indwells me**

**answers will vary**

**God raises me**

**God adopts me**

Are heaven and hell real places in outer space?

Though heaven and hell are real places, we can't see them—even with powerful telescopes. For some reason, God has hidden those places from our eyes. Perhaps they exist in a totally different dimension outside the visible universe.

Jesus told people who didn't believe in Him a scary story about what hell is like (Luke 16:19-31). God also invited John the Apostle to visit both hell (Revelation 20:10-15) and heaven (21:1-8) and to write about what he saw. Read those passages and think about where heaven and hell might be located.

Let's hitch a ride on a comet!

**God Seals Ephesians 4:30**

**UNIVERSAL TRUTH:** God places His seal of ownership on every believer.

32

**God Purifies**

We've nearly reached the comet.

Try this soup, but heat it up first—to destroy any impurities.

I'm hungry. Do we have any unidentified frying objects?

Use the Space Survival Kit's dyna-lighter.

What are some ways that fire and heat are used to sterilize or cleanse impurities?

**answers will vary**

**SPACE FACT**

In zero gravity, everything that's not strapped down floats around—including dinner!

33



Comets are rocky objects mixed with dust and ice particles that orbit the sun. Whenever a comet nears the sun, solar heat turns the ice to dirty steam. From a distance, this looks like a bright "tail." After the ice has melted, the tail disappears and the comet becomes a cloud of dust.

Christians are like comets orbiting the sun. God is burning off all our impurities so we become holy and pure—like Him. The Holy Spirit is like a cleansing fire—purifying God's people.

All five comets have hidden words that start with the red letter. Each word tells one way God purifies His children. Follow the cracks to identify the mystery words. Then read each Bible verse.

**S**anctifies  
Leviticus 20:26

**C**onvicts  
John 16:8-11

God sets believers apart from the world to be His own holy people.

God discloses the truth about personal sin, the need for righteousness, and the coming judgment.

34

34

**D**iscipline  
Deuteronomy 8:5-6

**F**orgives  
Colossians 2:13-14

**P**rays  
Romans 8:26-27

God corrects His beloved children so they learn to walk in His ways.

God pardons believers because Jesus' death paid the full price for their sins.

God's Son and Spirit ask the heavenly Father to help believers obey Him.

Watch out for unnecessary letters!

35

35

"B" and "O" are not used on the final comet.

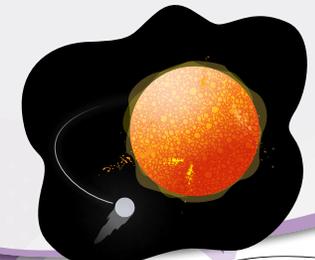




**Heart beat**

The Holy Spirit is like a cleansing fire—purifying God's people from sin. God will also use fire to reveal the true value of our service for Him. Read 1 Corinthians 3:12-15 and draw a picture about what is going on.

**answers will vary**



Next, let's see how close we can come to a supernova!

**God purifies**  
1 Thessalonians 5:23-24

**UNIVERSAL TRUTH:** God refines believers to share in His holiness.

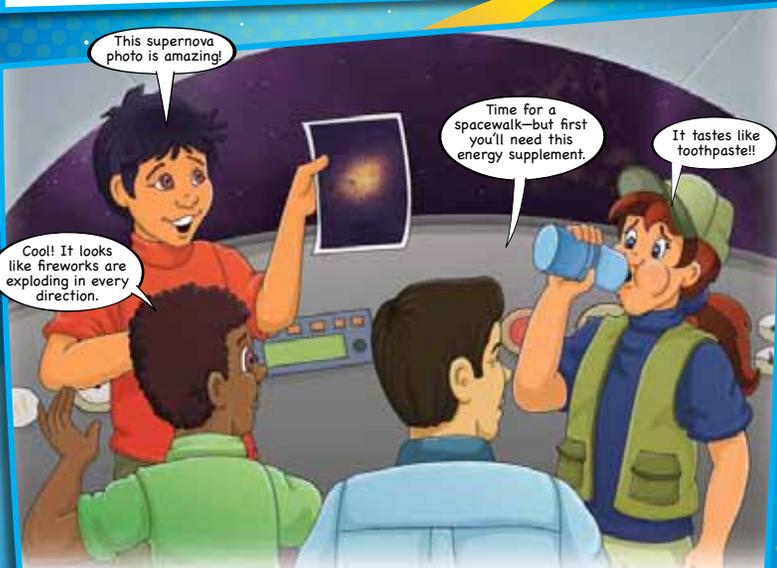
How long does it take for a comet to burn out?

Each time a comet orbits the sun, some of the ice and dust turns to steam and blows into space—a majestic display visible for millions of miles. Scientists estimate that, on average, comets revolve around the sun about 40 times before the ice is all gone. Some comets orbit the sun more frequently than others. For instance, astronomers have observed Comet Halley 28 different times—every 76 years since 240 BC! Other comets take more than a thousand years to orbit the sun, so they will burn out much more slowly.

Scientists who believe that the earth is 4.5 billion years old have a problem with comets—they should no longer exist! All the comets formed during the "Big Bang" would have burned out long, long ago. So, these astronomers have a theory that new comets might be formed in the "Kuiper belt" region or in an unidentified "Oort cloud."

Other scientists believe that the presence of comets today demonstrates that the universe is not nearly as old as some people think.

**God Empowers**



This supernova photo is amazing!

Cool! It looks like fireworks are exploding in every direction.

Time for a spacewalk—but first you'll need this energy supplement.

It tastes like toothpaste!!

What's your favorite way to "power up" before an intense workout or big game?

**answers will vary**

**SPACE FACT**

In 1054, Chinese astronomers observed a supernova so bright that it could be seen during the daytime for months!

# My Outer Space Adventure—Disciple Guide Answer Key—Lesson 10

Very large stars that have used up their fuel become unstable. As gravity pulls the remaining mass toward the center, the star begins to collapse. This generates intense heat that builds and builds until there is a gigantic explosion—a supernova. Pieces of the star fly in every direction. The huge cloud of debris from the explosion is called a “nebula.”

You’re looking at the Crab Nebula—what’s left of a supernova that exploded nearly 1000 years ago.

It must have released an incredible amount of energy!

Jesus promised to send the Holy Spirit to empower His followers. He explained that the Spirit would give them power like a rushing river of water (John 7:37-39). Use Morse code to identify ways the Holy Spirit can empower you.

**God transforms us.**  
God changes believers into new people who follow Jesus. (Romans 12:2)

I’d like to put that power into a bottle and drink it right before my next game.

**God unites us.**  
God unifies His people to live in harmony with each other. (Acts 4:32-33)

That’s exactly what the Holy Spirit can do for us!

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**God fills us.**  
God infuses His children with the Holy Spirit’s incredible power. (Ephesians 3:16)

**God equips us.**  
God gives His followers spiritual gifts to serve one another. (Ephesians 4:11-12)

**God enables us.**  
God partners with believers to produce spiritual fruit. (John 15:5)



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**Heart beat** The Holy Spirit is like rushing water—empowering believers to do God's will. God wants to fill you with the Holy Spirit. Here's how:

**Thirst**  
Strongly desire to be filled with the Holy Spirit (John 7:38-39).

**Repent**  
Confess your sins and turn to God (1 John 1:9).

**Trust**  
In faith, ask God to fill you with the Holy Spirit (Luke 11:13).

**Obey**  
Submit to the lordship of God's Spirit (Galatians 5:16).

- Who is really in charge of your life right now? **God / me**
- If you're ready for the Holy Spirit to direct and empower you, pray through the four steps above.

**answers will vary**

**God Empowers**  
Isaiah 40:31

It's time to head back home. But it won't be easy!

**UNIVERSAL TRUTH:** God strengthens believers to accomplish His supreme purposes.

If the universe is still "young," how can we see stars that are millions of light-years away?

Creation scientists have different theories about how light from very distant stars could reach the earth in a relatively short time. The view that makes the most sense to me is that God created a complete, fully developed universe. On the day God created stars, He also created starlight that was instantly visible far across space.

Genesis 1 tells us that when God made the trees, they were already bearing fruit—not tiny seedlings. When He made Adam and Eve, they were adults—not newborn babies. When He made the sun, it immediately produced light and radiated heat. It didn't take millions of years for the swirling matter to become a shining energy ball.

**God Sustains**

Our route home passes near the sun. If a solar flare erupts, we're toast!

Why don't we wait until night? Just kidding!

We'll need to take extra precautions to avoid the sun's intense radiation.

So that's what the oily lotion in our Survival Kit is for!

In the Bible, oil symbolizes the Holy Spirit—God's provision for His people. Olive oil is used for comfort, healing, refreshment—and for cooking.

List ways that different kinds of oil help to sustain you:

**answers will vary**

**SPACE FACT**

Solar flares are explosions on the sun's surface that eject hot gases into space. They can release energy equal to 160 billion megatons of dynamite per second, disrupting radio, TV, and telephone signals on earth.

# My Outer Space Adventure—Disciple Guide Answer Key—Lesson 11

God designed the solar system with incredible harmony and balance. Gravitational forces ensure that all the planets, moons, asteroids, and comets move in perfect precision. God sustains the solar system with His power and wisdom. God also sustains people each day—encouraging and supporting us in many ways.

Draw lines to match each key phrase with its definition and Bible verse.

Wow—it's really getting bright!

Close your eyes.

And hot!

And pray that God will sustain us!

GOD PROVIDES FOR US

GOD RESCUES US

GOD HEALS US

GOD PROTECTS US

GOD APPOINTS US

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God appoints specific people to fulfill special jobs.  
**Isaiah 61:1**

God watches over His followers, keeping them safe from harm.  
**Psalm 121:7-8**

God restores injured bodies, minds, and spirits.  
**Psalm 41:3**

God supplies everything that His children truly need.  
**Psalm 23:1-3**

God delivers His people from desperate situations.  
**Psalm 34:17-19**

answers will vary

answers will vary

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**Heart beat** The Holy Spirit is like soothing oil that comforts, heals, and refreshes God's people.

- How do you need God's **comfort** now?
- How do you need God's **answers** now?
- How do you need God's **refreshment** now?

**answers will vary**

What makes the sun so hot?

That's a good question—with a complicated answer. Scientists believe that the sun's power comes from nuclear energy (fusion), compression energy (gravitational contraction), or both.

Research indicates that the sun is gradually getting brighter and hotter. Therefore, billions of years ago the sun would only have glowed faintly—and the entire earth would have been frozen. Life could not have evolved and fossilized.

To account for this, some scientists believe that the sun produced intense solar flares that warmed the earth in just the right way, for just the right period of time, so the ice melted and life began. To me, it takes a lot less faith to believe that God created the sun, earth, and life—exactly as the Bible says. Ultimately, the sun gets its power from God.

As we re-enter earth's atmosphere, be ready for anything!

**God Sustains**  
Psalm 121:7-8

**UNIVERSAL TRUTH:** God encourages and supports His followers wherever He sends them.

**God Guides**

We're experiencing a system-wide blackout—a complete loss of power.

Hey! What's going on?

Somebody grab the turbo-tube from the Survival Kit!

Please guide us, Lord. This is very scary!

**answers will vary**

Tell about a time when you were completely in the dark —with no light source.

Read 1 John 1:5; then answer this question by "blacking out" the wrong responses:  
Can believers who walk with God ever truly be "in the dark?"  
**yes / no / not sure**

**SPACE FACT**  
The sun and stars produce forms of light that human eyes cannot see: x-rays and gamma rays, infrared and ultraviolet, radio waves and microwaves.

# My Outer Space Adventure—Disciple Guide Answer Key—Lesson 12

God does a much better job directing our lives than we do. The Holy Spirit is like heaven-sent wind—guiding believers along God's pathway. God's Spirit can direct each step of our lives. Just as God blows the clouds wherever He wants them to go, the Lord guides us, too. Find out about the ways God promises to guide His children. Then write how God's guidance can help you.

**God counsels me**  
 God's promise: (John 14:16-17)  
 The Holy Spirit lives in me and counsels me.  
 My need: **answers will vary**

**God leads me**  
 God's promise: (Psalm 25:9-10)  
 God leads me in His pathway each day.  
 My need: **answers will vary**

As we re-entered earth's atmosphere, our power shut down.

What happened back there?

The wind turbo-tube restored power to our systems.

God had a hand in things, too. Let's go home now—please!

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**God teaches me**  
 God's promise: (John 14:26)  
 The Holy Spirit teaches me everything I need to know.  
 My need: **answers will vary**

**God gives me wisdom**  
 God's promise: (James 1:5)  
 God eagerly shares His wisdom when I ask.  
 My need: **answers will vary**

**God rewards me**  
 God's promise: (Jeremiah 17:10)  
 God will someday reward me for the way I live on earth.  
 My need: **answers will vary**

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# My Outer Space Adventure—Disciple Guide Answer Key—Lesson 12

**Heart Beat** God has some amazing plans for the universe. Someday Jesus will appear on the clouds. He will come back to reward His followers according to how well they have served the Lord.

Then God will make a new heaven and earth—where He will live with His people. Read Revelation 21:1-8 and draw the scene. (Remember to include yourself in the picture.)

**answers will vary**

That was an out-of-this-world adventure!

Colonel Irwin, thank you for guiding us around the galaxy.

It was my pleasure—almost as exciting as landing on the moon.

I can't wait to learn more about our amazing God!

How many stars are out there?

On a clear night, you can count 3,000 stars. With a small telescope, you see about 100,000 stars. The sun is merely one of 100 billion stars in the Milky Way Galaxy. And the Milky Way is only one of more than 100 billion galaxies! Do the math—there are at least 10,000,000,000,000,000,000 (ten billion trillion) stars. That's more than a trillion stars for every person on earth!

Those numbers make me feel very, very small. But they also show how very, very big our Creator truly is. God knows exactly how many stars there are—and He calls them all by name! (See Psalm 147:4 and Isaiah 40:26.)

**God Guides**  
Psalm 32:8

**UNIVERSAL TRUTH:** God directs believers to faithfully carry out His incredible plan.