



INSTRUCTIONS

For the Teacher - The Sun

Step 1

Study the Bible Lesson and begin to memorize the Memory Verses. Familiarize Yourself With the Character Quality. The student can answer the Bible Review Questions. See page 8. Use the Steps in Bible Study.

Bible Lesson

The Dedication – Luke 2:21-38

Memory Verses

I Peter 1:18-19; Isaiah 11:1-5; 9:2, 6; Revelation 15:3-4

Character Quality

Discernment – the power or faculty of the mind by which it distinguishes one thing from another, as truth from falsehood, virtue from vice; acuteness of judgment; power of perceiving differences of things or ideas, and their relations and tendencies; to judge between important information and understand how facts fit together.

Antonyms – stupidity; slowness; dullness; density; crassness; blindness; lack of judgment; shortsightedness

Character Quality Verse

I Samuel 16:7 – *“But the Lord said unto Samuel, Look not on his countenance, or on the height of his stature; because I have refused him: for the Lord seeth not as man seeth; for man looketh on the outward appearance, but the Lord looketh on the heart.”*

Step 2

Understand How To/And

- A. Do the spelling cards so the student can begin to build his own spiritual dictionary.
- B. Mark Your Bible.
- C. Evaluate your student’s character in relation to the character quality of **discernment**.
- D. Familiarize Yourself With the Solar System. Notice the Projects.

E. Review the Scripture References for “The Solar System—The Sun.”

F. Notice the Answer Key.

A. Spelling Cards

Spelling Lists

Solar System—The Sun Words Place I - II - III

circles	Place II-III cont.
core	furnace
corona	granules
differences	interior
flares	regions
cycles	solar eclipses
energy	sundial
greenhouse	sunrise
gravity	sunset
guide (guiding)	vastness
heat	
mass	Place III
prominences	chromosphere
size	convection zone
sunspots	photosphere
surface	radiative zone
wanderer	solar magnetism
	solar radiation
Place II - III	spicule
brightness	thermonuclear
distance	

**See the book
Spelling From the Scriptures
for instructions
about the Spelling Cards.**

Bible Words

Anna	peace
custom	pigeon
consolation	pierce
devout	prophetess
Gentiles	redemption
glory	sacrifice
Jerusalem	Simeon
light (lighten)	widow
name	



B. How to Mark the Bible

1. Copy the list of Bible texts in the back of the Bible on an empty page as a guide.
2. Go to the first text in the Bible and copy the next text beside it. Go to the next one and repeat the process until they are all chain referenced.
3. Have the student present the study to family and/or friends.
4. In each student lesson there is one or more sections that have a Bible marking study on the subject presented. (See the student's section, pages 19-31.)

C. Evaluate Your Student's Character

This section is for the purpose of helping the teacher know how to encourage the students in becoming more **discerning**. See page 9.

Place I = Grades 2-3-4
Place II = Grades 4-5-6
Place III = Grades 6-7-8

**“Discernment
is the power to interpret
what we see and hear.”**
—Oswald Chambers

D. Familiarize Yourself With The Solar System—The Sun - Notice the Projects Projects

1. Sing the hymn, “The Lord is My Light.” This song will remind the family that the “*Sun of Righteousness*” gives the Earth and us life.

The Lord is my light; then why should I fear?
By day and by night His presence is near;
He is my salvation from sorrow and sin;
This blessed persuasion the Spirit brings in.

The Lord is my light, my joy and my song;
By day and by night He leads me along.

—James Nicholson

2. Visit a planetarium together as a family. Write a report of what you learn about the solar system. Be **discerning!** (Parents, make prior arrangements, and check about the type of program, music played, content [evolution], and the language of the person presenting the program).

3. Watch the video, “Our Solar System.” (This can be purchased from Moody.)

4. Help the child find round objects in the home, or outside in nature, to represent the Sun and the nine planets. Be sure to make them proportionate in size to each other and the Sun. Together, arrange these objects at the right distance from the “Sun.” Does the child have a better view of the solar system?

5. Look for pictures of the Sun and the nine planets in old magazines, books, and on the web (Hubble Space Telescope—Solar System; Science Daily News Releases—Solar System). We recommend parents be with the child while they are looking for things on the internet.

6. Demonstrate to the child what an elliptical (oval-shaped) orbit is by having one person be the Sun, and one be a planet moving around the "Sun."

7. The child may write a simple report answering the question: "Why are the planets different colors?"

8. How **discerning** are you?

A. Find a detailed nature picture.

B. Study it for one minute.

C. Put the picture away.

D. Write a list of all you can remember seeing in the picture.

E. Finally compare your list with the picture.

F. Do you miss little details in everyday life?

9. Memorize this quote. "A familiar acquaintance with the Scriptures sharpens the **discerning** powers and fortifies the soul against the attacks of Satan." (*Counsels to Teachers* 544)

The projects for the SUN lesson and the PLANETS lesson are the same.

10. Do this exercise for the spelling words:

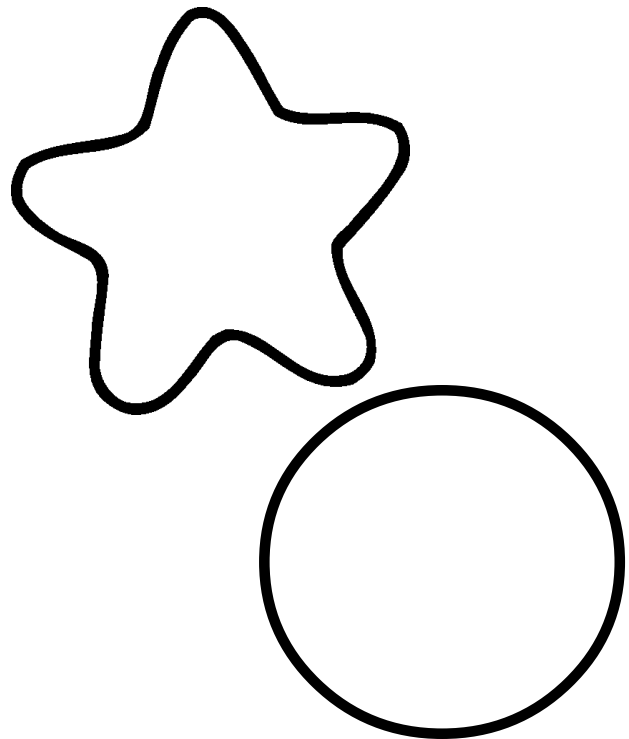
A. Using the patterns below make several stars and worlds.

B. **Discern** if each word talks about a star/sun or world. Print that word on the appropriate shape.

C. Divide up the stars for the days you will be studying the solar system.

D. Each day learn to spell the words for that day. Decide which words you will make spelling cards for your file (See the section on spelling words on page 2.)

E. Teacher test the student at the end of the week.



K. Review the References for “The Solar System —The Sun”

Teacher, read through this section before working on the lesson with the student. See page 10.

See also pages 19-31 from the student lesson.

F. Notice the Answer Key

The Answer Key for the student book is found on pages 18-31.

Step 3

Read the Lesson Aim.

Lesson Aim

This lesson is to point out to the child that only those that were **discerning** of the Bible prophecies were able to recognize Baby Jesus as the Promised One. The priest did not recognize the baby.

The child will learn that our solar system obeys its Creator—the One

who became the Baby of Bethlehem. The child will be encouraged to **discern** whether his own life’s path is revolving around the “*Sun of Righteousness*” as he considers each planet circling the Sun. He will also learn many spiritual lessons about the Sun.

“Spiritual things are spiritually **discerned**. In the temple the Son of God was dedicated to the work He had come to do. The priest looked upon Him as he would upon any other child. But though he neither saw nor felt anything unusual, God’s act in giving His Son to the world was acknowledged. This occasion did not pass without some recognition of Christ.” (*The Desire of Ages* 55)

All who do not resist Christ are drawn to Him. Anna, the prophetess, and Simeon yielded themselves to God. Because of this, they were in the right place at the right time the day that Baby Jesus was being presented to God in the temple.

Discernment is a gift of the Spirit. (See I Corinthians 12:10.) All who were **discerning** recognized God’s Son. Nature **discerns** her Creator. We see this illustrated in the Solar System. All nine planets make their orbital paths around the Sun. Their orbits are oval-shaped (elliptical),

and they recognize the command of the Creator who was also the Baby of Bethlehem. Each planet obeys the word of God. The Jewish leaders could have **discerned** the prophecies and recognized the Baby.

The priests knew the prophecies about the coming Messiah, but they did not recognize Him when He appeared. They also did not recognize the “Spirit of prophecy” that fell upon Simeon. The parallel for us is that Christ is about to come again. Will His coming find us ready? “Unless we are daily advancing in the exemplification of the active Christian virtues, we shall not recognize the manifestations of the Holy Spirit in the latter rain. It may be falling on hearts all around us, but we shall not **discern** or receive it.” (*Testimonies to Ministers* 507)



Step 4

Prepare to begin *The Solar System* lesson.

To Begin *The Solar System— The Sun Lesson*

Have a bag with several roundish objects in it. Have the child reach his hand into the bag and guess what each item is. Tell the child we will be learning about some round objects. Let them guess what they might be.

Next bring out the Bible and together read Genesis 1:14-19. Have the child tell you which verse(s) talk about round items. Finally bring out a picture book about astronomy to show him the roundness of the Sun.

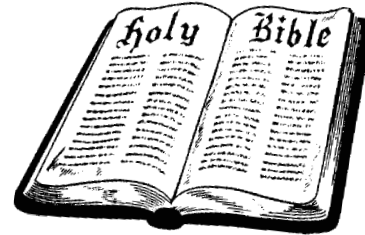
Step 5

Begin the *The Solar System—The Sun* lesson. Cover only what can be understood by your student. Make the lessons a family project by all being involved in part or all of the lesson. These lessons are designed for the whole family.

Notes



Steps in Bible Study



1. Prayer.
2. Read the verses/meditate/memorize.
3. Look up key words in *Strong's Concordance* and find their meaning in the Hebrew or Greek dictionary in the back of that book.
4. Cross-reference (marginal reference) with other Bible texts. An excellent study tool is *The Treasury of Scriptural Knowledge*.
5. Use Bible custom books for more information on the times.
6. Write a summary of what you have learned from those verses.
7. Mark key thoughts in the margin of your Bible.
8. Share your study with others to reinforce the lessons you have learned.

Review Questions

1. How old was Jesus when He was named? (Luke 2:21)
2. When was He taken to the temple? For what purpose? (Luke 2:21-24)
3. Describe what took place in the temple when Jesus was brought in. (Luke 2:22-24)
4. What offering did His mother make? Why? (Luke 2:22-38)
5. Who was Simeon? What had been revealed to him? (Luke 2:25-26)
6. How did Simeon know that the baby was Jesus? (Luke 2:26-27)
7. What did Simeon pray for himself? (Luke 2:27-32)
8. What did Simeon say Jesus would be to the Gentiles? To Israel? (Luke 2:32)
9. What caused Joseph and Mary to marvel? (Luke 2:33)
10. Whom did Simeon bless? (Luke 2:34)
11. What did Simeon say to Mary? (Luke 2:34-35)
12. Who came in at this instant? Who was this person? (Luke 2:36-37)
13. How did she serve God? (Luke 2:37)
14. To whom did she speak of Jesus? (Luke 2:38)



Evaluating Your Child's Character

Check the appropriate box for your student's level of development, or your own, as the case may be.

Maturing Nicely (MN), Needs Improvement (NI), Poorly Developed (PD), Absent (A)

Discernment

1. Is your child usually sensitive to or aware of the needs of others?

MN NI PD A

2. Does the child readily distinguish between right and wrong?

MN NI PD A

3. Does the child give evidence of the ability to **discern** God's ways of working in the circumstances of his life?

MN NI PD A

4. Does the child seek an understanding of related biblical principles in trying to solve the problems of life?

MN NI PD A

5. Does the child show the ability to **discern** between good, better, and best, and willingly choose that which is spiritually strengthening?

MN NI PD A

6. Do you and your child pray for **discernment**.

MN NI PD A

7. Do you and your child ask God to remove anything in your lives that would hinder you from **discerning** the voice of the Holy Spirit?

MN NI PD A

8. Do you and your child listen to both sides of a story before responding? And to consider life and background before making a judgment?

MN NI PD A

References

The Solar System and The Sun

The Solar System

“As the moon and stars of the solar system shine by the reflected light of the Sun, so, as far as their teaching is true, do the world’s great thinkers reflect the rays of the ‘*Sun of Righteousness*.’ Every gem of thought, every flash of the intellect, is from the Light of the world. In these days we hear much about ‘higher education.’ The true ‘higher education’ is that imparted by Him ‘*in whom are hid all the treasures of wisdom and knowledge.*’ ‘*In him was life; and the life was the light of men*’ (Colossians 2:3; John 1:4).”
(*The Desire of Ages* 465)

“With undimmed vision they gaze upon the glory of creation—suns and stars and systems, all in their appointed order circling the throne of Deity.” (*Great Controversy* 677)

“The same hand that holds the mountains and balances them in position, guides the worlds in their mysterious march around the Sun.”
(*I Selected Messages* 294)

The Sun

1. God Made and Sustains

“Let us choose to be taught by Him who created the heavens and the Earth, by Him who set the stars in their order in the firmament and appointed the Sun and the moon to do their work.” (*The Ministry of Healing* 449)

“It is God who causes the Sun to rise in the heavens.” (*The Ministry of Healing* 416)

“As they make the book of nature their study, a softening, subduing influence comes over them; for they realize that God’s care is over all, from the glorious Sun in the heavens to the little brown sparrow or the tiniest insect that has life.”
(*Fundamentals of Christian Education* 319)

2. The Sun’s Ministry to Earth

“Who gave them the Sun to warm the Earth and awaken into life the things of nature, causing them to flourish for the benefit of man?”
(*2 Testimonies* 652)

“He was familiar with the things of nature. He saw the Sun in the heavens, the moon and the stars fulfilling their mission.” (*5 Bible Commentary* 1117)

“The Sun sheds its light to gladden a thousand worlds.” (*The Desire of Ages* 21)

“He has placed the Sun in the heavens to mark the periods of day and night, and by its genial beams give light and warmth to the Earth, causing vegetation to flourish.” (*5 Testimonies* 312)

“There is life in the seed, there is power in the soil; but unless an infinite power is exercised day and night, the seed will yield no returns. The showers of rain must be sent to give moisture to the thirsty fields, the Sun must impart heat, electricity must be conveyed to the buried seed.” (*Christ’s Object Lessons* 63)

“The hot summer Sun...strengthens and ripens the hardy grain...” (*Christ’s Object Lessons* 47)

3. The Sun and Health

“Invalids too often deprive themselves of sunlight. This is one of nature’s most healing agents.” (*2 Testimonies* 527)

“...Sun and air are great helps to digestion, and do much to counteract the effect of wrong habits of eating and drinking.” (*Temperance* 159)

We need “...The electrifying influence of pure air and sunlight out of doors...” (*1 Testimonies* 517)

“The Sun is God’s doctor, which brings health and strength, purifying and giving color to the blood, and we must have it.” (*AUCR* 71 261 1899)

4. The Sun in the Future

“ ‘And they need no candle, neither light of the sun; for the Lord God giveth them light’ (Revelation 22:5). The light of the Sun will be superseded by a radiance which is not painfully dazzling, yet immeasurably surpasses the brightness of our noontide. The glory of God and the Lamb floods the Holy City with unfading light. The redeemed walk in the sunless glory of perpetual day.” (*Great Controversy* 676)

“It was at midnight that God chose to deliver His people. As the wicked were mocking around them, suddenly the Sun appeared, shining in his strength, and the moon stood still. The wicked looked upon the scene with amazement, while the

saints beheld with solemn joy the tokens of their deliverance.” (*Early Writings* 285)

“The years will move on in gladness. The light of the moon will be as the light of the Sun, and light of the Sun will be sevenfold greater than it is now.” (*7 Bible Commentary* 988)

“The powers of heaven are the Sun, moon, and stars. They rule in the heavens. The powers of Earth are those that rule on the Earth. The powers of heaven will be shaken at the voice of God. Then the Sun, moon, and stars will be moved out of their places. They will not pass away, but be shaken by the voice of God.” (*Early Writings* 41)

5. Sun Object Lessons

“Were the Sun to withdraw his shining, all vegetation, all animal life, would have an end. This illustrates the fact that we cannot have spiritual life unless we place ourselves under the beams of the ‘*Sun of Righteousness*.’ If we put a flowering plant in a dark room, it will soon wither and die; and so we may have some spiritual life, and yet lose it by dwelling in an atmosphere of doubt and gloom....Humanity has in itself no light. Apart from Christ, we are like an unkindled taper, like the moon when her face is turned

away from the Sun; we have not a single ray of brightness to shed into the darkness of the world. But when we turn toward the ‘*Sun of Righteousness*,’ when we come in touch with Christ, the whole soul is aglow with the brightness of the divine presence.” (*Sons and Daughters of God* 281)

“Every sinful tendency, every imperfection, that afflicts them here has been removed by the blood of Christ, and the excellence and brightness of His glory, far exceeding the brightness of the Sun, is imparted to them. And the mortal beauty, the perfection of His character, shines through them, in worth far exceeding this outward splendor. They are without fault before the great white throne, sharing the dignity and the privileges of the angels.” (*Steps to Christ* 126)

“God makes His Sun to shine on the just and on the unjust, and this Sun represents Christ, the ‘*Sun of Righteousness*,’ who shines as the light of the world, giving His blessings and mercies, seen and unseen, to rich and poor alike.” (*Testimonies to Ministers* 280)

“As the radiant lamps of the temple lighted up all about them, so Christ, the source of spiritual light, illumines the darkness of the world. Yet the symbol was imperfect. That

great light which His own hand had set in the heavens was a truer representation of the glory of His mission.” (*The Desire of Ages* 463)

“He is the light of Sun and moon and star. He was the spiritual light that in symbol and type and prophecy had shone upon Israel. But not to the Jewish nation alone was the light given. As the sunbeams penetrate to the remotest corners of the Earth, so does the light of the ‘*Sun of Righteousness*’ shine upon every soul.” (*The Desire of Ages* 464)

“When a man dies, his influence does not die with him; but it lives on, reproducing itself. The influence of the man who was good and pure and holy lives on after his death, like the glow of the descending Sun, casting its glories athwart the heavens, lighting up the mountain peaks long after the Sun has sunk behind the hill. So will the works of the pure and the holy and the good reflect their light when they no longer live to speak and act themselves. Their works, their words, their example will forever live. *‘The righteous shall be in everlasting remembrance.’*” (*Testimonies to Ministers* 429)

“If we gaze a moment upon the Sun in its meridian glory, when we turn away our eyes, the image of the Sun will appear in everything upon

which we look. Thus it is when we behold Jesus; everything we look upon reflects His image, the ‘*Sun of Righteousness*.’ We cannot see anything else, or talk of anything else. His image is imprinted upon the eye of the soul and affects every portion of our daily life, softening and subduing our whole nature. By beholding, we are conformed to the divine similitude, even the likeness of Christ. To all with whom we associate we reflect the bright and cheerful beams of His righteousness. We have become transformed in character; for heart, soul, mind, are irradiated by the reflection of Him who loved us and gave Himself for us.” (*Testimonies to Ministers* 388-389)

“As a flower turns to the Sun, that the bright rays may touch it with tints of beauty, so will the soul turn to the ‘*Sun of Righteousness*,’ that heaven’s light may beautify the character with the graces of the character of Christ.” (*The Desire of Ages* 468)

“As the Sun rises in the east and passes toward the west, filling the world with light, so the true follower of Christ will be a light unto the world. He will go out into the world as a bright and shining light, that those who are in darkness may be lightened and warmed by the

rays shining forth from Him.”
(3 Testimonies 403)

“In all ages God has given human beings divine revelations, that thus He may fulfill His purpose of unfolding gradually to the mind the doctrines of grace. His manner of imparting the truth is illustrated by the words, ‘His going forth is prepared as the morning.’ He who places himself where God can enlighten him, advances, as it were, from the partial obscurity of dawn to the full radiance of noonday....As the Sun goes forth upon its errand of mercy and love, as the golden beams of the day flood the canopy of heaven, and beautify forest and mountain, awakening the world by dispelling the darkness of night, so the followers of Christ should go forth upon their mission of love.”
(Sons and Daughters of God 335)

“The listening ear can hear and understand the communications of God through the works of nature. There is a lesson in the sunbeam....The Sun, moon, and stars in the heavens, all invite our attention and meditation, and bid us become acquainted with God, who made them all. The lessons to be learned from the various objects of the natural world are these: They are obedient to the will of their Creator; they never deny God,

never refuse obedience to any intimation of His will.” (3 Testimonies 333)

“As the light of the Sun shines with increasing power from morning till noonday, so, as you advance in the opening light of God’s word, you will receive more light.” (Counsels to Teachers 230)

“Truth is inspired and guarded by God; it will live, and will succeed, although it may appear at times to be overshadowed. The gospel of Christ is the law exemplified in character. The deceptions practiced against it, every device for vindicating falsehood, every error forged by satanic agencies, will eventually be eternally broken, and the triumph of truth will be like the appearing of the Sun at noonday. The ‘Sun of Righteousness’ shall shine forth with healing in His wings, and the whole Earth shall be filled with His glory.” (II Selected Messages 108)

“The princely dignity of the Christian character will shine forth as the Sun, and the beams of light from the face of Christ will be reflected upon those who have purified themselves even as He is pure.”
(4 Testimonies 357)

“If they are growing men, possessing sanctified intelligence; if they listen to the voice of God and seek to catch every ray of light from heaven, they will, like the Sun, pursue an undeviating course, and they will grow in wisdom and in favor with God.” (*5 Testimonies* 549)

“God is the source of life and light and joy to the universe. Like rays of light from the Sun, like the streams of water bursting from a living spring, blessings flow out from Him to all His creatures.” (*Steps to Christ* 77)

“God is love. Like rays of light from the Sun, love and light and joy flow out from Him to all His creatures. It is His nature to give. His very life is the outflow of unselfish love... We are to be centers of light and blessing to our little circle, even as He is to the universe. We have nothing of ourselves, but the light of His love shines upon us, and we are to reflect its brightness. *‘In his borrowed goodness,’* we may be perfect in our sphere, even as God is perfect in His.” (*Thoughts From the Mount of Blessing* 77)

“As the rays of the Sun penetrate to the remotest corners of the globe, so God designs that the light of the gospel shall extend to every soul upon the Earth.” (*Thoughts From the Mount of Blessing* 42)

“Before this proclamation [The Midnight Cry] fanaticism disappeared, like early frost before the rising Sun.” (*The Story of Redemption* 370)

“The Sun rising in the heavens is a representative of Him who is the life and light of all that He has made. All the brightness and beauty that adorn the Earth and light up the heavens speak of God.” (*Counsels to Teachers* 54)

“The cleansing blood of Christ was revealed to purify the sinner, and his fears were swept away, as the morning fog before the beams of the rising Sun.” (*4 Testimonies* 342)

“But the great Master Artist has painted upon heaven’s shifting, changing canvas the glories of the setting Sun. He has tinted and gilded the heavens with gold, silver, and crimson, as though the portals of high heaven were thrown open, that we might view its gleamings, and our imagination take hold of the glory within. Many turn carelessly from this heavenly wrought picture. They fail to trace the infinite love and power of God in the surpassing beauties seen in the heavens, but are almost entranced as they view and worship the imperfect paintings, in imitation of the Master Artist.” (*Messages to Young People* 366)

“As the sunlight cannot be separated from the Sun, so God’s law cannot be rightly presented to man apart from the divine Author.”
(*I Selected Messages* 371)

“Suppose that the Sun should refuse to shine, what terrible darkness and confusion would result! For us to refuse to let our light shine to those in darkness is to contract guilt, the magnitude of which cannot be computed....”
(*Colporteur Ministry* 152)

“ ‘Till heaven and earth pass,’ said Jesus, ‘one jot or one tittle shall in nowise pass from the law, till all be fulfilled.’ The Sun shining in the heavens, the solid Earth upon which you dwell, are God’s witnesses that His law is changeless and eternal. Though they may pass away, the divine precepts shall endure.” (*The Desire of Ages* 308)

“The true minister of Christ should make continual improvement. The afternoon Sun of his life may be more mellow and productive of fruit than the morning Sun. It may continue to increase in size and brightness until it drops behind the western hills.” (*II Selected Messages* 221)

“Let your pleasant, cheerful words ever be like sunbeams in your family.” (*1 Testimonies* 401)

6. Sun Signs

“With amazement angels witnessed the Saviour’s despairing agony. The hosts of heaven veiled their faces from the fearful sight. Inanimate nature expressed sympathy with its insulted and dying Author. The Sun refused to look upon the awful scene. Its full, bright rays were illuminating the Earth at midday, when suddenly it seemed to be blotted out. Complete darkness, like a funeral pall, enveloped the cross. ‘*There was darkness over all the land unto the ninth hour.*’ There was no eclipse or other natural cause for this darkness, which was as deep as midnight without moon or stars. It was a miraculous testimony given by God that the faith of after generations might be confirmed.” (*The Desire of Ages* 753)

“ ‘*In those days, after that tribulation, the sun shall be darkened, and the moon shall not give her light*’ (Mark 13:24). The 1260 days, or years, terminated in 1798. A quarter of a century earlier, persecution had almost wholly ceased. Following this persecution, according to the words of Christ, the Sun was to be darkened. On the 19th of May, 1780, this prophecy was fulfilled.” (*The Great Controversy* 306)

7. The Sun in the Future

“In the plague that follows, power is given to the Sun *‘to scorch men with fire. And men were scorched with great heat.’*” (*The Great Controversy* 628)

“The powers of heaven will be shaken at the voice of God. Then the Sun, moon, and stars will be moved out of their places. They will not pass away, but be shaken at the voice of God.” (*Early Writings* 41)

“It was at midnight that God chose to deliver His people. As the wicked were mocking around them, suddenly the Sun appeared, shining in his strength, and the moon stood still. The wicked looked upon the scene with amazement, while the saints beheld with solemn joy the tokens of their deliverance.” (*Early Writings* 285)

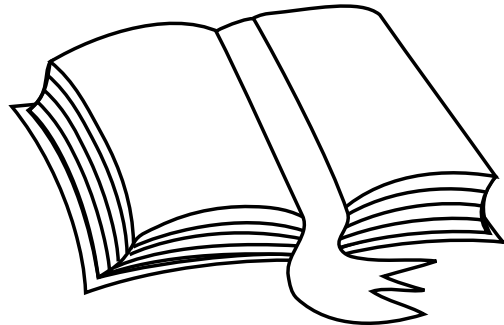
“In the City of God *‘there shall be no night.’* ...*And they need no candle, neither light of the sun; for the Lord God giveth them light’* (Revelation 22:5). The light of the Sun will be superseded by a radiance which is not painfully dazzling, yet which immeasurably surpasses the brightness of our noontide.” (*The Great Controversy* 676)

“The world will be bathed in the light of heaven. The years will move on in gladness. The light of the... Sun will be sevenfold greater than it is now.” (*7 Bible Commentary* 988)

8. Sun Worship

See the Scripture reference section in the lesson *Stars and Constellations*, “Stars Worshipped.”

Notes



Answer Key

The Solar System—Introduction

Page 6

Teacher, check.
Father
Mother, and children

Page 9

1. Family circle
2. Home circle
3. Home circle
4. Family circle
5. Home circle
6. Home circle

Page 20

1.
Nine planets
Moons
Asteroids
Meteoroids
Comets
Particles of dust and gas
2. Heavens
3. **Discernment**

Page 21

5. Nine planets, moons, asteroids, meteoroids, comets, particles of dust and gas

6. Heavens, worlds in their orderly revolutions, the balancings of the clouds, mysteries of light, sound, day, and night

7. Pray for **discernment**.

8. It is a symbol of Christ, and the planets tell us how we should obediently follow our path around the Son. Especially in our homes.

Page 29

1. Teacher, check.
2. Teacher, check.

Page 38

“Christ Jesus [is] to **accompany** us **every step** of the journey to heaven! The Holy Spirit with us as a **Comforter**, a **Guide** in our perplexities, to soothe our sorrows, and **shield** us in temptation!”

Page 44

1. God's invisible power keeps the planets moving along in just the right way.
2. Isaac Newton was a Christian scientist. He discovered the law of universal gravitation.
3. Newton realized an underlying principle: it is God alone that gives clear understanding. He would lay aside his telescope and go into his room and pray that he might have a deeper and clearer insight than could be revealed by the telescope alone. Prayer and the aid of the Holy Spirit are needed in order to understand God's creation and His revelations in the Bible.

Yes!

Page 61

1. 99% and 1%
2. Gravity
Holy Spirit

Page 62

3. If all the nine planets, the Sun, the comets, meteoroids and asteroids were put on the scales to see how much they weighed, 99% of all the weight in the scale would belong to the Sun.

Page 62 continued

4. The Sun has an enormous mass. That is the reason why it has such a strong pull on all the objects in the solar system.
5. The Earth and life on it would cease to exist.

If Jesus would withdraw His sustaining, upholding power from the Sun, it would stumble in its path and go out in darkness. How thankful we should be that Christ is "*upholding all things by the word of his power*" (Hebrews 1:3).

Page 68

Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, and Pluto

Jupiter and Neptune

Page 72

Rotate means to turn about an axis or a center.

Revolve means to go round or cause to go round in an orbit.

All the planets **revolve** around the Sun in elliptical paths.

The Earth **rotates** on its axis.

Page 73

1. God
2. "...Behold ye, know how **perfect**, and how **beautiful** the **order** of **heaven**. FOLLOW IT!"
3. Rotation
4.
 - A. Resurrection
 - B. Rest or sleep
 - C. Daily activity
5. Elliptical
Teacher, check.
6. Mercury and Venus
7. All the other planets except Mercury and Venus
8. Counter-clockwise
9. "The same **hand** that **holds** the mountains and balances them in position, **guides** the **worlds** in their **mysterious march** around the Sun."
10. Psalm 19:4-6
11. Throne of God
12. Teacher, check.
13. Because the Earth is turning east to west.

Page 73 continued

14. East to west
15. The night-day cycle shows us our need for rest.

Page 76

1. Elijah
2. The Philistines
3. Solomon
4. The Ethiopian eunuch
5. Zechariah
6. Josiah
7. Rehoboam
8. Joseph
9. The Levites
10. Egypt
11. Ahab
12. Joseph
13. Naaman
14. Jehu
15. Josiah

Page 76 continued

16. Elisha

Page 82

“The Lord is calling to us in all our wanderings: ***Return, ye backsliding children, and I will heal your backslidings.***’ The blessing of God may be ours if we will heed the pleading voice of His Spirit. ***Like as a father pitieth his children, so the Lord pitieth them that fear him.***’ ”

Page 85

1. Cain

2. Abraham

3. Men of Sodom

4. Hagar and the child

5. Joseph

6. Israel

7. The redeemed of the Lord

8. The lost sheep
The prodigal son

Page 86

10. I would fly away and remain in the wilderness.

Page 86 continued

11. From God’s commandments

12. Because of their sins

13. Hearing the words of the Lord

14. They would be wanderers among the nations

15. Sheep wandering

16. *“I have gone astray like a lost sheep....”*

17. *“The man that wandereth out of the way of understanding shall remain in the congregation of the dead.”*

18. A bird that wanders from its nest

19. *“Better is the sight of the eyes than the wandering of the desire: this is also vanity and vexation of spirit.”*

20. *“And withal they learn to be idle, wandering about from house to house; and not only idle, but tattlers also and busybodies, speaking things which they ought not.”*

21. *“Therefore, behold, the days come, saith the Lord, that I will send unto him wanderers, that*

Page 86 continued

shall cause him to wander, and shall empty his vessels, and break their bottles.”

22. *“So two or three cities wandered unto one city, to drink water; but they were not satisfied: yet have ye not returned unto me, saith the Lord.”*

23. *“Cursed be he that maketh the blind to wander out of the way...”*

24. Bring it back to him

25. *“Who provideth for the raven his food? when his young ones cry unto God, they wander for lack of meat.”*

26. God’s faithful people

Page 91

1. See page 79.

2. The **planets** are the largest objects in the solar system other than the **Sun**.

3. They shine by reflected light.

Page 105

Teacher, check.

Page 106

1. See page 95.

2. Mercury, Venus, Mars, Terrestrial

3. The terrestrial planets are made up of iron and rock. The giant planets are made up mostly of hydrogen, helium, ammonia, and methane.

4. Jupiter, Saturn, Uranus, and Neptune

5. Joseph, Mary, Anna, and Simeon

Page 108

1. Sun

2. Jupiter

3. Great Red Spot, storm

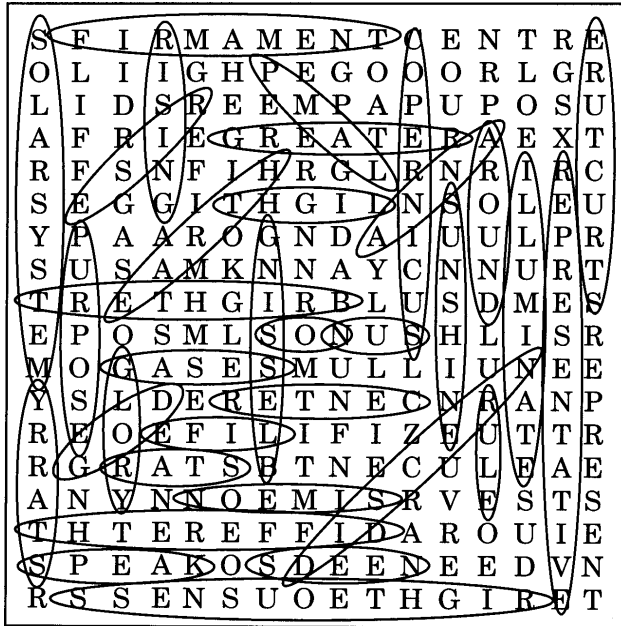
4. Ganymede

5. Saturn



The Solar System - The Sun

Page 5



Page 11

A. Discuss the names on the list. It is not necessary to discuss all of the names. Let the child choose which ones he would like to talk about.

B. Majesty of Heaven
Bright and Morning Star
Light

C. Luminary, source of light, star, daystar, orb, sphere, ball of fire

Page 12

4. Light, energy

Page 15

1. God placed it there to help us **discern** that the “*Sun of Righteousness*” is to be at the center of our lives.

2. Light, heat, food (students may think of many other answers)

3. Faithfulness

4. **Discernment**

Page 16

5.

A. Center, center

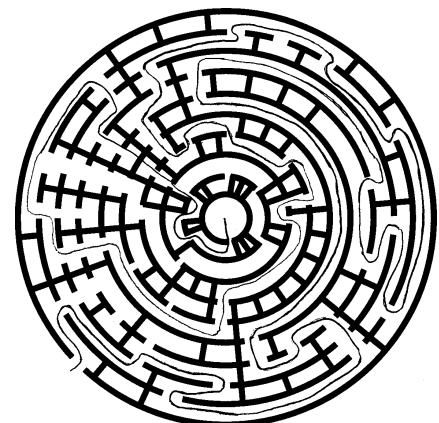
B. Physical, needs, spiritual, needs

C. Reap, benefits, benefits, salvation

D. Faithfully, shine, shines, truth

E. Gives, giving

Page 18



Page 41

See Genesis 1:16.

The sun is the **greater light**.

The moon is the **lesser light**.

The Earth is a **planet**.

Page 42

1. Sun

2. Sun

3. It is 109 times larger than the Earth. It is round like a ball. It is sometimes called a disk.

4. Sun

5. The force of gravity pulls the Sun's gases toward the center of the Sun. Its gases are extremely hot. Hot gases have high pressure and try to expand. The pressure of the gases balance the force of gravity. As a result, the Sun keeps its size and shape.

Page 43

Here are a few answers: tag, ton, not, rag, tar, rat, it, tin, gin, nag, vat, vain, gnat, rain, ran, nation, grain, grant, tan, got, air, art, grit, tot, vagrant, to, rant, ion, etc.

Page 50

Anna and Simeon
S, S, P, S, P, S

Page 60

1. It comes from its surface.
See page 46.

2. When its light passes through a prism, some of the light is bent or refracted making visible colors from red, orange, and yellow through green, blue and violet.

3. When the light from the star is passed through a spectral line, its light is broken into hundreds of lines that are separated by obvious gaps. Each star has its own individual set of these lines. They are like "fingerprints."

4. Nuclear weapons
He rained brimstone and fire upon them.

5. They are both constantly giving.

6. The Sun's rays can cause serious damage to the eyes.

7. His glory is too great for our mortal eyes. So we might learn of His character and serve Him from love and not fear. (Deuteronomy 4:24; Hebrews 12:29)

Page 60 continued

- 8. See page 57.
- 9. See page 53.
- 10. Solar Max is a robot or satellite traveling high in space studying the sun.

Page 65

- firefly
- match
- candle
- fire
- night light
- flashlight
- light bulb
- moon

Sun

Blue star

(These answers are based on brightness of the lights)

Page 72

Teacher, check.
 "Everything on Earth would die."
 The student could expand upon this thought.

Page 76

1. A speck of the Sun's material the size of a match head would burn up anyone within a 100 mile (160 kilometers) radius.

Page 76 continued

2. If it were closer to the Sun the oceans would boil. And if the Earth were further away from the Sun, the oceans would freeze.

3. See page 73.

4. The diameter of the Sun is about 865,000 miles (1,392,000 kilometers). Yes. It is like giant nuclear reactions that change hydrogen gas into helium gas. See page 74.

5. Explode, destroy

6. Sunburn is a burn caused by the ultraviolet rays of the Sun.

One common problem from the Sun is skin cancer.

7. Vitamin D

Page 77

- 1. Blue
- 2. Blue-white
- 3. White
- 4. Yellow-white
- 5. Orange
- 6. Red

Page 77 continued

7. Yellow-white

Page 82

1. Hydrogen, helium, and a small amount of other elements

2. Hydrogen, helium

3. About 70

4. Angels

5. It can smite plants and cause them to wither, sunstroke

6. It teaches us that the whole universe revolves around the throne of God. And if the people of God will follow Him, they will, like the Sun, pursue an undeviating course, and they will grow in wisdom and favor with God. See pages 80-81.

7. Scientists were able to identify the elements on the Sun by studying the spectrum (pattern of colored lines) of light from the Sun.

8. Teacher, check.

Page 84

1. Robert Louis Stevenson

2. "Still round the Earth his way he takes"

Page 84 continued

3. "Each little Indian sleepyhead
Is being kissed and put to bed."

4. Teacher, check.

5. "And all the children in the West
Are getting up and being dressed."

The time and date at any place on the Earth change as the Earth rotates on its axis in relation to the Sun. The student could study more about International Date Line.

Page 90

1. - 2. - 3. Teacher, check.

Page 93

1. Matthew

2. When there was a dark day in New England (Matthew 24).

3. Matthew 24:29

4. Isaiah 13:10, 24:23; 34:4; Ezekiel 32:7-8; Joel 2:10, 30-31, 3:15; Amos 5:20, 8:9; Luke 21:25-26; Acts 2:19-20

5. May of 1780

6. New England states

Page 93 continued

7. Teacher, check.
8. See pages 91-93.
9. Teacher, check.

Page 104

1. Teacher, check.
2. It is a luminous circle around the Sun or moon or the halo around the Sun seen only during a total eclipse.
3. Partial, solar
4. Sun's crown
5. This can call to mind the beauty of character Jesus shone upon this darkened world, from His babyhood to the cross.
6. Teacher, check.

Thought Question: That we are insignificant in comparison with Christ or the Father. But Jesus was willing to come to this dark Earth to save us.

Page 109

Chlorophyll – The substance in plants that makes them **green**. Plants use chlorophyll to make

Page 109 continued

food. They do this by changing the carbon dioxide and water that they take from the air and soil into **sugar**.

Photosynthesis – The process by which **green plants** form carbohydrates from **carbon dioxide** and **water** in the presence of **light**.

Carbon dioxide – A **gas** that is made up of **carbon** and **oxygen**. It has no **color** or **odor**. When we breathe out, we put carbon dioxide in the air. Plants take in carbon dioxide from the air to make food.

Glucose – A **sugar** that occurs in plant **saps** and **fruits**. It is the usual form in which carbohydrate (an energy-rich nutrient made up of carbon, hydrogen, and oxygen) is assimilated (to take in and make a part of) into the body.

Page 112

1. A gourd
2. A juniper tree
3. Wormwood
4. Mustard
5. Song of Solomon

Page 112 continued

6. Behemoth
7. Song of Solomon, Joel
8. Manna
9. Wheat and rye
10. Balm, honey, spices, myrrh, nuts, almonds
11. The vine of Sodom
12. Tares
13. Amos
14. David
15. Solomon
16. Hyssop

Page 113

17. Stacks of flax
18. Fig's
19. Midian
20. The third day
21. Almond blossoms
22. Proverbs

Page 113 continued

23. Thorns
24. Bulrushes
25. Hyssop
26. A reed
27. Husks
28. Lilies
29. The pomegranates
30. Mint and rue

Mint

Page 116

1. Teacher, check.
2. The Sun is a vast center of many **wonders**. It is a fantastic **workshop** of physical **powers**. So Christ is the center of **power** for all Christians.
3. It produces food and oxygen, clothing, wood and coal, kills germs, and clothes the Earth with beauty.
4. Life (heat and light)
Life on Earth would be nonexistent.

Page 116 continued

5. See the illustration, “Green-house.”

6. Teacher, check.

Page 133

1. The energy from the Sun.

2. See page 128.

3. The Sun warms the ocean and the land. This same heat causes the clouds to form and the winds to blow. It also causes currents in the ocean. See the school lesson, *Oceans and Tides*.

4. “**Atomic explosions** on Earth are a reproduction on a very small scale of this release of energy which takes place on the Sun.”

5.

(1) Lifts water in the form of vapor

(2) Moves the winds

(3) Causes photosynthesis

(4) Brightens our day and lifts our spirits.

6. See page 132. Earth only receives a small amount of the Sun’s energy.

Page 153

1. The heathen worshiped the **creation** of God instead of the **Creator**; thus they worshiped the Sun in the sky instead of the “***Sun of Righteousness***” who made it.

2. “If we gaze even a moment upon the Sun in its meridian glory, when we turn away our eyes, the image of the Sun will appear in everything upon which we look. Thus it is when we behold Jesus; everything we look upon reflects His image, the ‘*Sun of Righteousness.*’ ”

(Take the student(s) out for a walk and discuss how different things of nature have the image of God stamped upon them. Example: A leaf is green and green reminds us of faith.)

3. U or YOU

Page 163

“And God said, Let there be **lights**, in the firmament of the heaven to divide the **day** from the **night**....”

Page 167

Yes, until the Sun is no longer visible

Page 168

1. Teacher, check.
2. East
3. Teacher, check. See page 81.

Page 169

4. Teacher, check. See pages 154-155.

Page 172

1. Yes, she folded her work.
2. Yes
3. She had a good spirit.
4. They folded their petals for the night.
5. In the morning they open up their petals.
6. By standing up straight with their happy faces.
7. Yes, someone can look sad, mad, or happy.
8. Student answer.

Page 176

No. Because the Earth turns on its axis.

Look at a map to determine the answer to this question.

Page 188

1. Teacher, check.
2. Teacher, check.
3. Teacher, check.
4. The Sun rotates at different speeds. The poles rotate at a slower rate than the equator.

Page 194

1. Teacher, check.
2. They cannot be numbered, this is only known by God. Their number is likened unto the grains of sand.
3. The solar system is located about in the middle of one of the arms of the Milky Way galaxy.
4. God spoke the Sun into existence. It came by the breath of His mouth.
5. Forever!

Page 209

1. A furnace
2. The furnace of affliction
3.
 - A. Core
 - B. Radiative Zone
 - C. Convection Zone
 - D. Photosphere
 - E. Chromosphere
 - F. Chromosphere, corona
4. Teacher, check.
5. Teacher, check.
6. It brings to light undiscovered traits of character; brings us near to Christ; it calls us to a higher order of living; it consumes our earthliness; it perfectly reflects Christ's image in us; it enables us to receive renewed strength; it prepares us for this life and for heaven.

Page 216

1. No! It looks like the Sun is moving across the sky when in reality it is the Earth rotating on its axis that moves the Sun across the sky.
2. See pages 196, 203, 205-208, and 212.
3. God sustains it with His own hand.

Page 216 continued

4. See page 214.
5. Teacher and student discussion.

Page 224

Student answer. One possible answer is: They misapplied the prophecies and expected Him to come as a King. They misunderstood His work here on Earth.

Page 226

1. Spot of sin
2. Spot of sin
3. Spot of this sinful Earth

Page 231

- A. 2.
- B. 1.
- C. 1.
- D. 1.
- E. 1.
- F. 3. Teacher, check.

Page 244

1. Teacher, check.
2. Teacher, check.

Gardening Sheet

Lesson Five Subject Nature

Title "The Solar System"

In Season

There are many vegetables that are shaped like the planets in our solar system. Some examples are onions, peas, beets, tomatoes, cabbage, radishes, etc. Plant some or many of these in your garden.

Radishes are quick to germinate and reach maturity from 20 to 75 days after planting, depending on the climate and variety. They are hardy annuals and can be started even before the danger of frost is past. Plant 1/8 ounce (350 grams) of seed for each 25 feet (7.5 meters) of row at a depth of 1 inch (25 millimeters). Separate rows 6 to 8 inches (10.5 to 20 centimeters). Thin seedlings 3 to 4 inches (75 to 100 millimeters) apart. Radishes do best in a cool, moist soil. High quality of the root depends on rapid growth.

As you make the row (path) for planting the radishes consider how our life's path is revolving around the "*Sun of righteousness*" as the planets circle the sun.

Out of Season

Find vegetables that are different sizes to represent the various planets.

Let a pumpkin (or another choice) represent the sun. Place each in order around the "sun." (You could use foods like peas, beans, onions, tomatoes, cabbage, or apples, and oranges.)

