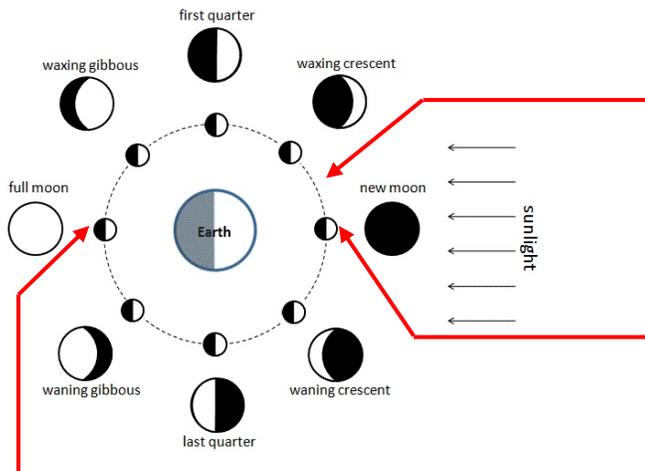


Astronomy and the Bible — Handout



New Moon-observed new moons are rarely visible earlier than 17 hours past the conjunction, usually about 30 hours. Therefore, observed new moons can vary by one or two days.



Solar eclipses can only occur during a new moon conjunction when the moon is directly between the earth and the sun. They occur on the first day of the month and can occur during the Feast of Trumpets.



Lunar eclipses can only occur during a full moon on 14/15th day of the month. They often occur on the Passover and the first day of the Feast of Tabernacles.

Common Time Periods

Length of Day = 24 hours (approximate) or 86,400 sec or 23.999998791 hours or 24 hours – 0.44ms

Length of the Lunar month = 29.53059 days X 86,400 sec = 2,551,442.9 sec

Length of the Year = 365.257 days or 365 days 6 hours 56 sec.

Feasts of God

Sabbath = 7 days

Passover = 1st month, 14th day (full moon)

First Day Unleavened Bread = 1st month, 15th day

Last Day Unleavened Bread = 1st month, 21st day

Pentecost = 50th day from the wave sheaf offering

Trumpets = 7th month, 1st day of the month (new moon)

Atonement = 7th month, 10th day of the month

Tabernacles (first day) = 7th month, 15th day of the month (full moon)

Last Great Day = 7th month, 22nd day of the month

Important Hebrew Words

Hayah – was, to happen, fall out, occur, take place, to come about, come to pass, to become, to become like, to be instituted, be established, to exist, be in existence, to abide, remain, continue, to stand, lie, be in, be at, be situated, to occur, be done, be brought about, to be done, be finished, be gone.

Asah – to do or make, accomplish, appoint, bestow, bring forth, furnish, grant, offer, prepare, procure, provide, set, show, yield.

Bara – to create or creator.

Tohuw – formless, confusion, vain, unreality, wasteland, wilderness, place of chaos.

Bohuw – emptiness, void, waste.

Astronomy and the Bible — Handout



Biblical Features of the Universe

Universe had a Beginning

- Hebrew 11:3 By faith we understand the worlds were framed by the word of God...
- Genesis 1:1 In the beginning God created the heavens and the earth

Universe had a Creator

- John 1:3 All things were made through Him and without Him nothing was made that was made
- Colossians 1:16 For by Him were all thing created, that are in heaven and that are on earth
- Isaiah 42:5 God the Lord, Who created the heavens and stretched them out

Universe is Expanding

- Isaiah 40:22; 42:4; 45:12; 48:13; 51:13...who stretches out the heavens...

Universe is Subject to the Second Law of Thermodynamics

- Romans 8:18-22 ...for the creation was subject to futility....

Universe Not Eternal

- Hebrew 1:10-11...and the heavens will perish...will grow old like a garment

Universe to be Replaced

- 2 Peter 3:13 ...new heavens and a new earth in which righteousness dwells.
- Revelation 21:1 Now I saw a new heaven and a new earth...