

# Wonders in the Sky

- Solar prominences are luminous fountains of hydrogen and helium.
- Sun is 860,000 miles in diameter.
- Contains greater than 99% of all the matter in the solar system
- 1,000,000 Earths would fit in it.
- Has a 10 billion-year supply of fuel.

- In one second, the sun emits more energy than humans have used in all history.
- The sun spins faster at its equator than at the poles.
- Sunspots appear and vanish at 11-year intervals.
- Sun flares are more powerful than a billion hydrogen bombs.

- Each second about 5 million tons of material escape from the sun.
- The sun's gravity keeps the planets in orbit around it.
- The Bible uses the sun in symbolism.
- Malachi 4:2
- How does the sun show us Jesus?

- ◆ The sun turns darkness into light. Jesus takes away the darkness of sin and gives us the light of righteousness.
- ◆ The sun is the center of the solar system. Jesus should be the center of every Christian's life.
- ◆ The sun provides light and heat for the entire solar system. Jesus offers righteousness and grace to everyone in the world.
- ◆ Although huge amounts of energy leave the sun every second, it still has enough to shine for billions of years. Although Jesus gives huge amounts of His righteousness and grace to us, there is always plenty more to share.
- ◆ The sun's gravitational pull keeps the planets from zooming off into space. Christ's love draws us to Him, and keeps us from being lost in sin.

# SPECTACULAR SOLAR SPECIFICS

Week 2

Instructions: Circle the correct answer.

- 1) Solar prominences are great fountains of gas that leap out of the sun hundreds of miles into space. What kinds of gas are in these prominences?  
a) Propane and butane  
 b) Hydrogen and helium  
c) Krypton and argon
- 2) What is the diameter of the sun?  
 a) 860,000 miles  
b) 8,600 miles  
c) 8,600,000 miles
- 3) Of all the matter in the entire solar system, how much of it is in the sun?  
a) 10%  
b) 75%  
 c) more than 99%
- 4) If the sun were hollow, how many balls the size of Earth could fit inside?  
a) 1,000  
b) 100,000  
 c) 1,000,000
- 5) True or false: Each second, the sun gives off more energy than humans have used in all history.  
 True  False

- 6) How much of the sun's mass escapes into space every second?  
a) 5 million tons  
b) 5,000 tons  
c) 5 trillion tons
- 7)  What keeps the planets in orbit around the sun?  
a) The asteroid belt  
b)  The sun's gravity  
c) Sunspots

