



# THE SUN QUIZ

If you get stuck, all the information you need to answer the questions is in your *Zoom Into Space The Sun* book. Enjoy the quiz!

- 1: **What is the Sun?**
  - a) A planet
  - b) An asteroid
  - c) A star
- 2: **How many planets orbit the Sun?**
  - a) 7
  - b) 8
  - c) 14
- 3: **Which statement is true?**
  - a) The Sun is a giant ball of burning gases.
  - b) The Sun is rocky and dusty.
  - c) The Sun has water on its surface.
- 4: **How many Earths could fit into the Sun?**
  - a) 1 million
  - b) 25
  - c) 50
- 5: **Which statement is true?**
  - a) The solar system is made up of all the stars in the sky.
  - b) The solar system is made up of the Sun and all the objects orbiting it.
  - c) The solar system is another name for the asteroid belt.
- 6: **What is a sunspot?**
  - a) A place on the Sun that is cooler than the rest of the Sun's surface
  - b) A shadow on Earth
  - c) A large loop of super-hot gas erupting from the Sun into space
- 7: **How long does it take the Sun to rotate, or spin around, once?**
  - a) Nearly 1,000 Earth days
  - b) About 2 hours
  - c) About 25 Earth days
- 8: **Which statement is false?**
  - a) The Sun can be studied using space probes.
  - b) Humans may someday land on the Sun.
  - c) Looking directly at the Sun will harm your eyes.
- 9: **How far is Earth from the Sun?**
  - a) Nearly 250,000 miles (400,000 km)
  - b) About 93 million miles (150 million km)
  - c) Over 100 trillion miles (160 trillion km)
- 10: **Which of these planets is closest to the Sun?**
  - a) Mercury
  - b) Mars
  - c) Earth
- 11: **What is the mission of the SDO probe?**
  - a) To beam pictures of the Sun back to Earth
  - b) To explore the solar system
  - c) To see if aliens are using the Sun to beam messages to Earth
- 12: **When does an eclipse of the Sun happen?**
  - a) When the Moon passes between Earth and the Sun.
  - b) When the Sun passes between Earth and the Moon.
  - c) When Earth passes between the Sun and the Moon.
- 13: **During a total eclipse of the Sun, what happens?**
  - a) Day may seem to turn into night.
  - b) Clouds block out the Sun's light.
  - c) Night may seem to turn into day.
- 14: **How would the Sun look if viewed from Pluto?**
  - a) Smaller than it appears from Earth
  - b) Larger than it appears from Earth
  - c) The same size as it appears from Earth
- 15: **Which statement is true?**
  - a) A comet is another name for a solar flare.
  - b) A comet is another name for an asteroid.
  - c) A comet is an icy object that orbits the Sun.
- 16: **Which of these planets is farthest from the Sun?**
  - a) Jupiter
  - b) Venus
  - c) Uranus
- 17: **Without the Sun, what would happen?**
  - a) Earth would get light from the Moon.
  - b) No life on Earth would survive.
  - c) People would get more sleep.
- 18: **Which statement is true?**
  - a) Most asteroids orbit the Sun in the asteroid belt.
  - b) Most asteroids are between Mercury and the Sun.
  - c) Most asteroids orbit Earth.
- 19: **Which statement is false?**
  - a) The Sun is the largest star in space.
  - b) The Sun travels through space at 490,000 miles per hour (790,000 km/h).
  - c) The Sun looks bigger than other stars because it is closest to Earth.
- 20: **What did the ancient Romans call the Sun?**
  - a) Sol
  - b) Gas
  - c) Sunday

1: c    2: b    3: a    4: a    5: b    6: a    7: c    8: b    9: b    10: a    11: a    12: a    13: a    14: a    15: c    16: c    17: b    18: a    19: a    20: a

**ANSWERS**