

The Sun: Our Star

Astronomy · Answer Key · 9 Questions

1. What is the Sun mainly composed of?

- A) Hydrogen and Helium**
- B) Iron and Nickel
- C) Oxygen and Carbon
- D) Silicon and Aluminum

2. Approximately how far is the Sun from Earth?

- A) 93 million miles**
- B) 1 million miles
- C) 1 billion miles
- D) 1 light-year

3. What is the name of the Sun's outer atmosphere?

- A) Corona**
- B) Photosphere
- C) Chromosphere
- D) Radiative Zone

4. What are solar flares?

- A) Energetic bursts of light and particles**
- B) Dark spots on the Sun's surface
- C) Streams of solar wind
- D) Rings around the Sun

5. What is the approximate surface temperature of the Sun (photosphere)?

- A) 10,000 degrees Fahrenheit**
- B) 27 million degrees Fahrenheit
- C) 3.5 million degrees Fahrenheit
- D) -460 degrees Fahrenheit

6. What causes auroras on Earth?

- A) Solar flares and coronal mass ejections**
- B) Earth's magnetic field
- C) Volcanic eruptions
- D) Ocean currents

7. How long does it take for the Sun to orbit the center of the Milky Way?

A) 230 million years

B) 365 days

C) 24 hours

D) 1 million years

8. What is the name for the study of the Sun and its influence throughout the solar system?

A) Heliophysics

B) Geophysics

C) Astrophysics

D) Cosmology

9. What is a coronal hole?

A) A region with lower density in the Sun's atmosphere

B) A dark spot on the Sun

C) A giant explosion on the Sun

D) A type of solar flare