

Name _____

Solar Sizzle: Unveiling the Surface Temperature of the Sun

Multiple Choice Questions

1. What is the temperature of the Sun's photosphere, its visible surface?
 - A) 500 degrees Celsius
 - B) 5,500 degrees Celsius
 - C) 55,000 degrees Celsius
 - D) 550,000 degrees Celsius

2. Which layer of the Sun is hotter than the photosphere?
 - A) Radiative zone
 - B) Core
 - C) Chromosphere
 - D) Convective zone

3. How does the Sun transfer heat from its core to its surface?
 - A) By convection only
 - B) By conduction only
 - C) By radiation, conduction, and convection
 - D) By radiation only

4. What causes solar winds and solar flares on the Sun?
 - A) Nuclear fusion in the core
 - B) The photosphere's temperature
 - C) Solar panels on the Sun's surface
 - D) The Moon's gravitational pull

5. What is the temperature range in the Sun's chromosphere?
 - A) 4,000 to 25,000 degrees Celsius
 - B) 5,500 degrees Celsius
 - C) Millions of degrees Celsius
 - D) 550,000 degrees Celsius

