

Name \_\_\_\_\_

## Solar Sizzle: Unveiling the Surface Temperature of the Sun

### Short Answer

1. How does the Sun's surface temperature compare to the hottest temperature ever recorded on Earth?
2. Explain why the chromosphere and corona, located above the photosphere, have even higher temperatures.
3. Describe the processes through which heat is transferred from the Sun's core to its surface.
4. What is the impact of solar winds and solar flares on Earth's magnetic field?
5. Why is the Sun's high surface temperature essential for life on Earth?

