

Name _____

Dancing with the Sun: The Mystery of Solar Flares and Sunspots

Short Answer Key

1. Sunspots cool down and appear darker due to magnetic pressure inhibiting heat flow.
2. Solar flares can disrupt communication systems, GPS signals, and harm astronauts in space.
3. Scientists use solar telescopes with special filters to safely observe and study the Sun's surface, including sunspots and solar flares.
4. Tracking the frequency of sunspots is important for scientists because it helps monitor the Sun's activity level and predict potential solar flares.
5. The 11-year solar cycle influences the frequency of sunspots, with more sunspots during the peak and fewer during the solar minimum.

