# Space Weather Worksheet

After reading the “Space Weather” article about intense space weather caused by events on the sun, answer the questions in complete sentences using evidence from the original source article.

1. Summarize the main types of “space weather” and their causes and describe how each might contribute to conditions on Earth.(5 points)
2. Explain “sunspots” in your own words. What are they, how do they form, and how can they contribute to the "space weather" that affects Earth?(5 points)
3. Using evidence from the article, describe how coronal mass ejections, or CMEs, cause auroras and disrupt communications on Earth.(5 points)
4. How do we know what the sun is doing? Briefly summarize the programs responsible for this information.(5 points)