

Unit 2 Section 2 Study Guide

Directions: Answer the following questions.

Reviewing Objectives Part 1:

1. Identify patterns in solar activities. Pages: 761-764 and 767
2. Relate events on the Sun to phenomena such as auroras, disruptions of radio and satellite communications, and power disturbances. Pages: 761-764 and 767

Reviewing Major Concepts Part 2: *Textbook Chapter 29 sections 2*

1. Explain why sunspots are cooler than surrounding areas on the sun's surface.
2. Identify the number of sunspots that are on the sun during the peak of the sunspot cycle.
3. Summarize how the latitude of sunspots varies during the sunspot cycle.
4. Explain how prominences are different from solar flares.
5. Summarize the cause of auroras on Earth.

CRITICAL THINKING

6. Identifying Relationships. How can a sunspot be bright but look dark?
7. Analyzing Ideas. Why doesn't the whole sun rotate at the same rate?