

Chapter 24.3: The Sun
Layered Book Directions and Questions

Structure of the Sun (p. 684-text)

Layered book-page 1

- 1.) The sun can be divided into the following four parts.
 - a.
 - b.
 - c.
 - d.

Photosphere (p. 685-text)

Layered book- page 2, top of page

- 1.) Define photosphere
- 2.) What are granules and about how big are they?
- 3.) What is convection and what is it responsible for?
- 4.) What is the composition of the photosphere?
 - a. 90%=
 - b. 10%=

Chromosphere (p. 686-text)

Layered book-page 2, left bottom of page

- 1.) Define chromosphere
- 2.) How do astronomers observe the chromosphere?
- 3.) What color is the chromosphere?

Corona (p. 686-text)

Layered book-page 2, right bottom of page

- 1.) Define corona.
- 2.) What is solar wind?
- 3.) Why doesn't solar wind reach Earth's surface?

The Active Sun (p. 687-text)

Layered book-page 3, top of page.

- 1.) How long does it take the sun to rotate on its axis?
- 2.) Does the whole sun rotate at the same rate? Explain.

Sunspots (p. 687-text)

Layered book-page 3, bottom left side

- 1.) Define sunspots and explain who first discovered them.
- 2.) Why do sunspots look dark?
- 3.) How long is the sunspot cycle?

Prominences (p. 688-text)

Layered book-page 32 bottom right side

- 1.) What are prominences?
- 2.) Describe what prominences look like.

Solar Flares (p. 688-text)

Layered book-page 4 bottom right side

- 1.) What are solar flares and where on the sun do they take place?
- 2.) What are the auroras? What do they look like?