Name	Class	Date
- 1777-7-7		

Chapter 24 Studying the Sun

Section 24.3 The Sun

(pages 684-690)

This section describes the structure of the sun, features on the sun's surface, and nuclear fusion in the interior of the sun.

Reading Strategy (page 684)

Preview the Key Concepts, topic headings, vocabulary, and figures in this section. In the table, list two things you expect to learn. After reading, complete the table, stating what you have learned about each item you listed. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

What I Expect to Learn	What I Learned
a.	b.
C.	d.

Structure of the Sun (pages 685-686)

- 1. The four main parts of the sun are the solar interior, the visible surface (photosphere), the chromosphere, and the ______.
- **2.** The solar wind is a stream of _____ and electrons that boil from the corona.

Match each description with its sun layer.

Description 3. outermost part of the sun's atmosphere atmosphere 4. relatively thin layer of the sun's atmosphere 5. layer that radiates most of the sunlight we can see

Name	Class	Date
Chapter 24 Studying	g the Sun	
6. Select the appropriate the figure that is the following for the	dentifies each of eatures. nce phere pages 687-688)	Photosphere Radiation zone Convection zone Granulation C E
Description	_	Sun Feature
the photo 8. brief outb sunspot c	urst associated with	a. solar flare b. sunspot c. prominence
-	•	e? Different parts of the sun rotate
extending from answer.	s are ionized gases tra regions of intense sol	ar activity. Circle the correct
sun spots	magnetic fields	solar flares
12. The three m	ain forms of energy re	eleased by solar flares are
	, radio, and X-ray	
13. Solar flares can southern lights	cause spectacular , in Earth's atmospher	e. , or northern and
The Solar Interio 14. Is the following		e? The sun produces energy by
15. During nucl	ear tusion,	is converted into energy.

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Name	 Class	Date	

Chapter 24 Studying the Sun

WordWise

Complete the sentences by using the vocabulary terms below.

COTOTIa	continuous spectrum
photons	electromagnetic spectrum
solar flares	radio telescope
sunspots	spectroscopy
photosphere	refracting telescope
Doppler effect	
-	utbursts called
are dark region	ns on the surface of the photosphere.
The study of the properties of light t	hat depend on wavelength is
	mesh as a reflector to collect radiation
The siren from an ambulance that is	approaching you seems louder because
of the	
Galileo used a(n)	that had a lens to bend light.
The is the outer	rmost part of the sun's atmosphere.
Most of the sunlight we can see comesun.	es from the of the
The is the arran according to their wavelengths and f	ngement of electromagnetic waves frequencies.
are particles of	light.
An uninterrupted band of color proc	