NAME	D	ATE	CLASS
Chapter 14			Text Pages 402–409
STUDY GUIDE	• Ene	rgy from the	Sun
Use the words in the box to			
heat	life	absorb	radiation
sun	lower	reflects	density
waves	current	contact	conduction
sinks space	campfire surfaces	environment atmosphere	temperature convection
The	is the so	ource of all energy in our a	atmosphere. When Earth
receives this energy, son	ne energy escapes back i	nto	, some is absorbed
by the	, and son	ne is absorbed by land and	d water
-		ong these three help the a	
		0	
		Earth in the form of radia	
	This process is t	he transfer of energy by $$	· · ·
You experience radiation	n when you sit by a		_ and your skin becomes
warm. The molecules of	your skin	the ene	ergy and you feel
	Heat is the tran	sfer of energy from an ob	ject with a higher
	to an object with	a	temperature. Some
radiation isn't absorbed	by the atmosphere or su	urface objects; it	off
the atmosphere or surfa	ce.		
	is the transfer	r of energy that occurs wh	en molecules bump
into one another and he	at is transferred through	direct	
	is the transfer of	heat that occurs because	of
			a higher density than warm
			. This rise and fall of air sets
up a circular movement	called a convection		Convection currents and
other processes that transfer energy help provide the			we live in.