Atmospheric Circulation Standard 3 Objective 1 Indic	s of the Atmosphere Nameator d ted Reading Pages 561-564	Period_
Section: Atmospheric Ci 1. What causes the movement of air w		
2. Why does air near Earth's surface fl	ow from the poles to the equator?	
3. Where do low-pressure regions form	n?	
THE CORIOLIS EFFECT (page 561) 4. What is the circulation of the atmosp	ohere and of the oceans is affected by?	
5. Why does air follow a curved path?		
6. The curving of the path of a moving the	object from an otherwise straight path due to earth's rota	ition is called
7. In which direction does the Coriolis of Southern Hemisphere?	effect deflect moving objects in the Northern Hemisphere	? And in the
8. What are the three looping patterns	of air flow in each hemisphere called?	
The prevailing winds that blow from called the	east to west from 30° latitude to the equator in both hem	ispheres are
10. What are the the prevailing winds t	hat blow from west to east through the United States call	ed?
11. What are the prevailing winds that both hemispheres?	blow from east to west between 60° and 90° in	
In the space provided, write the lette	er of the description that best matches the term or ph	rase.
12. doldrums	 a. narrow bands of winds formed when warm equatorismeets the cooler air of the middle latitudes 	al air
13. horse latitudes	b. narrow bands of strong winds that blow in the upper troposphere	
14. jet streams	c. a zone of low pressure at the equator where the track wind systems meet	
15. subtropical jet streams	 d. subtropical high-pressure zones with weak and variant winds 	apie

	CAL WINDS (page 564) Air movement influenced by local conditions and local temperature variations often cause, which are not part of the global wind belts.
17.	As warm air above land rises and cool air from above water moves in to replace it, a cool wind moving from water to land, called a, forms in the afternoon.
18.	At night, as warm air above water rises and cool air from above land moves out to replace it, a cool wind moving from land to water, called a forms.
19.	During the day in mountainous regions, a gentle breeze called a forms when warm air from the valleys moves.
20.	Chapter 22 Section 3 Review Page's 561 - 564 Explain how the Coriolis Effect affects wind flow.
21.	Name and describe Earth's three global wind belts.
22.	Summarize the importance of the jet streams.
23.	Identify two factors that create local wind patterns.
24.	Determine whether wind moving south from the equator will curve eastward or westward because of the Coriolis Effect.