	Prevailing Winds	NAI	ME:
wind patterns shown on	this map happen? (Hint: Look at	what's goin	in the Northern Hemisphere, do the g on in India and think about the
direction of the monsoc	on winds.		
2. List the prevailing wi the Horse Latitudes are		ng locations	. Keep in mind that the Doldrums and
a	: between the North Pole and 60 degrees north (Pacific Ocean)		
b	: between the Equator and 30 degrees south (Pacific Ocean)		
c	: between 30 degrees north and 60 degrees north (Pacific Ocean)		
d	: between the South Pole and 60 degrees south latitude		
	egions of high pressure toward the map that the Doldrums are	_	low pressure. How can you tell by ow pressure?
4. Determine whether e	ach of the following is high-pres	sure area, c	r a low-pressure area. Remember,
winds blow from region	is of high pressure toward regi	ons of low	pressure.
a	: South Pole		Compared the many from this shoot
b	: Horse Latitudes		Separate the maps from this sheet. When you are finished, you do not
	: Equator in the Pacif	ic Ocean	need to hand the maps in. Keep them
	: North Pole		in your folder.
e	: 60 degrees south la	titude	-
	ne Doldrums" (a.k.a. Intertropical obal Circulation" handout may hel	•	ce Zone), is the air rising or sinking?
Does this help clouds to	form, or do they hinder cloud fo	ormation?	
Would this cause high p	ressure, or low pressure at the s	surface?	
6. In the area called th	e Horse Latitudes, is the air risir	ng, or sinkin	g?
Does this help clouds to	form, or do they hinder cloud fo	ormation?	
Would this cause high p	ressure, or low pressure at the s	surface?	
7. Look at the winds ma	p (attached). Do the Southweste	erlies curve	to the right, or the left?
Do the Northwesterlies	curve to the right, or do they c	urve to the	left?

8. *Notice that the Southeast Trade Winds are continuous across the Earth in the Southern Hemisphere. Why don't the Northeast Trade Winds form a similar continuous belt across the Northern Hemisphere? You must use the term "monsoon" in your answer.

9. *Explain how the winds in India would b	pe different if this map showed wind patterns for January?	
10. Which monsoons would bring the rains monsoons?	to Indiathe summer monsoons (July), or the winter	
*Explain why there is so much water vapo	r with the winds that bring rain.	
·	with the map showing ocean currents (also attached). Name the ing ocean currents. NOTE: The Doldrums and the Horse	
a	: South Equatorial	
b	: North Pacific	
c	: Benguela Current	
d	_: Gulf Stream	
e		
f	_: West Wind Drift	
13. Which winds took him back to Europe? 14. List two places in the Pacific Ocean will	here sailing ships "get stuck" due to a lack of wind.	
· · · · · · · · · · · · · · · · · · ·	your text to determine the <u>direction</u> (not the name) of the ind direction tells which direction the wind is coming from. Tana in January (p. 551)	
b: Nort	: Northwestern Africa in January (p. 551)	
c: West	: Western Africa near the Equator in July (p. 542)	
d: India	: India in January (p. 551)	
e: India	ı in July (p. 542)	
16. According to the maps on pages 542 a areas of high pressure in the Northern H	nd 551, do winds blow clockwise, or counterclockwise around emisphere?	
17. Do winds blow clockwise, or counterclo Hemisphere?	ockwise around areas of high pressure in the Southern	
18. *Find the area of low pressure on the this "low". (toward or away from the cent	map on page 538 of the text. Describe the flow of air around ter? AND CW or CCW?)	

Separate this sheet from the other one. Do not hand this one in with the other sheet. Keep it in your folder.



