Handout 2 (3-2) yellov	V Name	Period
Weather Fronts and Severe Weather Standard 3 Objective 2 Indicato	-	
Chapter 24 Section 2: Dir)
	ses meet, what usually keeps them separaterences b. moisture differences ensity d. differences in pressure	ate?
2. The boundary that forms	between two air masses when they meet torm line. c. squall line. d. midlatitude	is called a
TYPES OF FRONTS (page 605) 3. cold front	 a. a front of air masses that moves either b. the front edge of a moving mass of contents 	
4. warm front	beneath a warmer air mass like a wedg	e
5. stationary front	c. the front edge of an advancing warm air mass that replaces colder air with warmer aird. a front that forms when a cold air mass overtakes a warm air	
6. occluded front	mass and lifts the warm air mass off the another air mass	ground and over
7. Describe the storms that form a	along a cold front.	
8. What kind of weather does a warm front generally produce?		
SEVERE WEATHER (page 608) 9. List three weather events that are considered severe weather.		
Use the terms from the list below to complete the sentences that follow. Each term may be used only once. Some terms may not be used. tornado storm surge cumulonimbus cloud bands		
	water vapor hurricane	latent heat
10. A severe storm that develops over tropical oceans and whose winds of more than 120 km/h spiral in toward the intensely low-pressure storm center is called a(n)		
11. During a hurricane, large amo force of the rising air.	unts ofare re	eleased, increasing the
12. A fully developed hurricane coupward around the center of the s	onsists of a series of thicktorm.	that spiral
13. Winds increase toward the call of 275 km/h.	lm, clearof the storm	and may reach speeds
14. The most dangerous aspect of a hurricane is a rising sea level and large waves, called a		

TORNADOES (page 610) 15. Explain how a tornado fo	rms.
16. What happens when a to	ornado funnel touches ground?
17. When and where do mos	t tornadoes occur?
18. What makes a tornado so	o destructive?
	ther Instruments Pages 611-614 s on which weather observations are based.
In the space provided, write 20. thermometer	OSPHERIC CONDITIONS (page 611) e the letter of the definition that best matches the term or phrase. a. an instrument that measures atmospheric pressure
21. barometer 22. anemometer	c. an instrument that measures wind speedd. an instrument that measures and indicates temperature, often in the
23. wind vane	form of a sealed glass tube filled with mercury or alcohol e. an instrument that determines the direction of wind with an arrow shaped device that turns freely as the tail catches the wind
24. Why do scientists use ba	rometers to help them predict the weather?
25. Explain how an anemom	eter works.
	DSPHERIC CONDITIONS (page 613) tudy upper-atmospheric conditions?
27. How does radar track a s	itorm?
28. Explain what Doppler rac	lar can tell meteorologists.
29. What important purpose	do weather satellites serve?

30. How do weather satellites measure the direction and speed of the wind at the level of the

clouds?