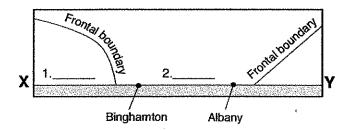
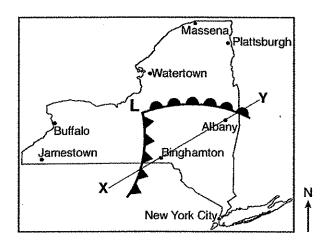
Nai 1.	me:Which tempe (1) mesosphere	rature zone of Earth's at (2) stratosphere	mosphere contains the n (3) thermosphere	nost water vapor? (4) troposphere			
2.	Which weather (1) visibility character (2) amount of c		determines wind speed (3) air-pressure gradier (4) dewpoint difference	nt			
3.	chance of precipita (1) The dewpoi (2) The air tem (3) The amoun		ndensation point, causing dewpoint, making cloud greater, making the air h	formation more likely. neavier.	generally increases the		
4. Bas		instrument below can be ures shown, the relative (2) 2% (3) 33%	humidity is	18°C <u>~</u>	Net cloth wick  Reservoir of water		
5.	Which station 1023.7 mb?	n model shows the correc	et form for indicating a no	orthwest wind at 25 knots a	nd an air pressure of		
	1023.7	237	(3)	(4)			
6.	(1) to the right	effect causes winds in <b>Ne</b> of the direction of travel f the direction of travel	(3) upward awa				
7.	A weather ins instrument? (1) wind speed	strument is shown below. (2) precipitation	. Which weather variable	-	Charge 20.1 20.1 20.1 20.1 20.1 20.1 20.1 20.1		
8.							
9.	Which type of (1) cP	f air mass is associated v (2) cT (3) mP		eric conditions?			
10.	What is the re (1) 5%	elative humidity if the dry (2) 14% (3) 60%		C and the wet-bulb tempera	ature is 17°C?		
Reg	gents Review: Mete	eorology	1-4	Create	ed: March 2008		

Base your answers to questions 51 through 53 on the weather map below. The weather map shows a low pressure system in New York State during July. The L represents the center of the low-pressure system. Two fronts extend from the center of the low. Line XY on the map is a reference line.

11. The cross section below shows a side view of the area along line XY on the map. On lines 1 and 2 in the cross section, place the appropriate two-letter air-mass symbols to identify the most likely type of air mass at each of these locations.





12. The forecast for one city located on the map is given below: "In the next hour, skies will become cloud covered. Heavy rains are expected with possible lightning and thunder. Temperatures will become much cooler." State the name of the city for which this forecast was given.



13. Identify one action that people should take to protect themselves from lightning.

14. Earth's surface winds generally blow from regions of higher

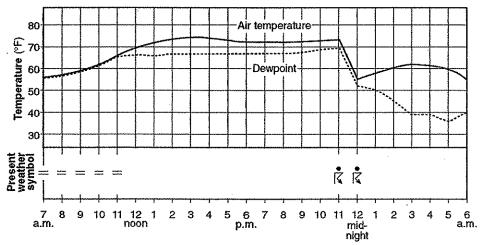
(1) air temperature toward regions of lower air temperature

(2) air pressure toward regions of lower air pressure

(3) latitudes toward regions of lower latitudes

(4) elevations toward regions of lower elevations.

Base your answers to questions 15 and 16 on the graph below, which shows air temperature, dewpoint, and present weather conditions for a 23-hour period at Dallas, Texas.



15. \_\_\_\_ The thunderstorm that occurred between 11 p.m. and 12 midnight was most likely the result of

(1) the arrival of a warm front

- (3) an increase in the difference between air temperature and dewpoint
- (2) the arrival of a cold front
- (4) an increase in both air temperature and dewpoint

	me:Which weather conditio(1) fog (2) rain	n was reported at Dallas whe	n the	air temperature was e (4) drizzle	equal to the dewpoint?	
	se your answers to questions of weather data were collected Niagara Falls					<i>i</i>
	201 +10	45 088 +09	5	998	•	12
17.	What was the air pressure in	********			01	
18.	Explain how the weather con precipitation	ditions shown on the station		~~	•	of
19.	New York City was experience of a mile. On the station mode below.  • wind direction  • wind speed  • present weather  • visibility				and format, the informat	
bar mill	se your answers to questions 2 ogram below, which shows air libars at Green Bay, Wisconsir of 4, 1982.	pressure recorded in		April 2 4 8 M 4 8 12 4 8 M 4 8	April 3 April 4 3 12 4 8 M 4 8 12 4 8 M	Key M = Midnigh
20.	Calculate the rate of change is a.m. to 8 p.m. on April 3. Laborate tunits.		Air pressure (mb)	1030 1020 1010 1000 990 980 980 970	1020 1010 1010 1000 990 980 970	
21.	What most likely caused the o	changes in air pressure for th	e per	iod of time shown on t	he graph?	
Reg	gents Review: Meteorology	3-4	* 5 5 5 6		Created: March 2008	3

Name:					
22 Which weather instrum	ent is used to measure	e wind speed?			
(1) anemometer	(2) wind vane	(3) psychrometer	* (4) thermome	ter	
	el is shown to the right indicated by this statio (3) 1002.9 mb (4) 1029.0 mb	on model?	029		
24 What is the relative hur (1) 90% (2) 80%	nidity when the dry-bu (3) 14%	lb temperature is 16° (4) 13%	C and the wet-bulb	temperature is 14°C?	?
Base your answers to questions : Points A and B indicate locations		<b>V</b>	The isobars show a	ir pressures, in milliba	ars.
25. On the weather map to the ricentered on the geographic rost likely the source of the	egion that was	1020	1016 CP 1012 45 O Miles 1008 1004	1012	/ .,[X
26. Calculate the pressure gradic straight line between point A the map. Label your answer units.	and point B on	HI TO THE	23 1000 996- 31 Pierre 992- 98 98, 1154 57 0	Onesque	500 Final Market York
		Pacific Ocean	Abuquerque B	Gulf of Mexico	Atlantic Ocean
27. Describe the evidence show that indicates strong winds w		Villag City and Diarra		0 500	1,000 ki
That indicates shong whose	ere blowing between	******************		******************	***************************************
28. In the table below, write the r	names of the cities list	ed below in sequence	e from lowest relativ	e humidity to highest	<b>**</b> ****
Albuquerque Chicago	,				
New York City	Lowest Relative Humi	dity		Highest telative Humidity	
29. Describe the pattern of the se	urface winds around th	ne center of the low-p	oressure system (L)	).	
**********************	Q 4 2 3 2 5 5 5 6 7 6 7 6 7 6 7 7 7 7 7 7 7 7 7 7	) 前面双连点等值及电系统机等等条件单分产品	<b>经股票租金股票票</b> 票 新	· 化电弧电阻 医生生素 经收益 经股份 医皮肤 化二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	# # 
; ; ; ;其以宗宗宗宗公司公司公司公司公司公司公司公司公司公司公司公司公司公司公司公司公司公	- 我是我是被联系和新闻管电和协会处理单电和	海路暴河路板聚物温泉使聚油水岩岩 化试剂等	******	************	# # # #*

Created: March 2008