Ì	Name	Class	Date
	Assessment	collection in	
	Section Oniz		

Section: Air Masses MATCHING

In the space	provided,	write the	letter of	the	description	that best	matches	the
term or phra	se.							

	1. continental polar
	2. maritime tropical
	3. maritime polar
	4. continental

tropical

- **a.** an air mass that originates in southern Atlantic and Pacific areas and brings warm, moist air
- **b.** an air mass that originates in North Atlantic and North Pacific areas and brings cold, moist air
- **c.** an air mass that originates in Canada and brings cold, dry air
- **d.** an air mass that originates in U.S. southwest and brings warm, dry air

MULTIPLE CHOICE

In the space provided, write the letter of the answer choice that best completes each statement or best answers each question.

•	
5. As lower layers of air are wa	rmed,
a. the air rises.	c. the air dries.
b. winds form.	d. the air sinks.
6. What air masses generally m	ove eastward, toward Europe?
a. maritime tropical Pacific	c. maritime polar Pacific
b. maritime tropical Atlantic	d. maritime polar Atlantic
7. A large body of air throughoutent are similar is a(n)	ut which temperature and moisture con-
a. storm.	c. wind belt.
b. air mass.	d. air pressure.
8. An air mass usually brings th	ne weather of
a. its destination.	c. its path of movement,
b. its source region.	d. an undetermined source.
9. Continental polar, maritime	polar, continental tropical, and maritime
tropical are types of	
a. air fronts.	c. air masses.
b. air systems.	d. air flow.
10. Air masses responsible for c	ool, dry air in northern summers are
a. continental polar.	c. maritime polar.
b. maritime tropical.	d. continental tropical.

Name	Class	Date
Assessment		
Section Ouiz	24-2	

Section: Fronts MATCHING

In the space provided, write the letter of the description that best matches the term or phrase.

term or phrase.	
1. cold front	a. an area of low pressure, rotating wind that moves toward the rising air of the central
2. tornado	low-pressure system
3. hurricane	b. a destructive, rotating, funnel-shaped column of air with high wind speeds
4. warm front	c. the front edge of a moving mass of cold air
5. midlatitude cyclone	that pushes beneath a warmer air mass like a wedge
6. thunderstorm	d. a brief, heavy storm with rain, wind, lightning, and thunder
	e. a severe storm that develops over tropi- cal oceans, whose strong winds spiral in toward the low-pressure storm center
	f. the front edge of advancing warm air mass that replaces colder air with warmer air

MULTIPLE CHOICE

In the space provided, write the letter of the answer choice that best completes each statement or best answers each question.

7. Which	of the following is N	IOT a thunderstorm stage?	
a. mat	•	c. dissipating	
b. cun		d. fading	
8. What t	type of path does a to	ornado take if it touches down?	
a. hap	hazard	c. straight	
b. ext	remely wide	d. predictable	
9. A wea	ther event in which t	he air sinks and flows outward from	n a cen-
ter of !	high pressure, and th	at brings dry weather is a(n)	
a. hea	t storm.	c. anticyclone.	
b. from	nt.	d. cyclone.	
10. A hurr	icane begins when w	varm, moist air rises rapidly and the	e mois-
ture co	ondenses, releasing e	nergy in the form of	
a. trop	pical heat.	c. rising heat.	
b. late	ent heat.	d. ionized heat.	

Name	Class	Date
Assessment Section Quiz	24-3	

Section: Weather I MATCHING	nstruments		
In the space provided, writ or phrase.	te the letter of the definition that best matches the term		
1. anemometer	 a. an instrument that measures and indicates temperature 		
2. barometer	b. an instrument used to determine the direction of the wind		
3. wind vane			
4. thermometer	c. an instrument used to measure wind speed		
	d. an instrument that measures atmospheric pressure		
MULTIPLE CHOICE			
In the space provided, write each statement or best and	te the letter of the answer choice that best completes swers each question.		
5. Radiosonde ins	struments measure all of the following EXCEPT		
a. dew point.	c. temperature.		
b. wind velocit	y. d. storm patterns.		
6. What tool do m store data?	neteorologists use to solve mathematical equations and		
a. computer	c. satellite		
b. weather cen	ter d. thermistor		
7. Which of the fo	ollowing measurements indicates a southerly wind?		
a. 90°	c. 270°		
b. 180°	d. 0°		
	ar use to determine the velocity and location of objects?		
a. radiosonde	c.radio waves		
b. infrared ligh	t d. sonar		
	y upper atmospheric conditions to		
a. make local f			
b. track global	weather patterns. d. make short-range forecasts.		
10. Marine weather	r conditions can be monitored by		
a. anometers.			

- **b.** barometers.
- c. ocean-based weather stations.
- d. weather satellites.

•	Name	Class	Date
	Assessment		
	Section Ouiz	24-4	

Sect MATO	ion: Forecasting the We	eather
In the or phi	-	of the definition that best matches the term
	_ 1. World Weather Watch	a. the temperature to which the air
	_ 2. dew point	must cool in order for more water to condense than to evaporate
	_ 3. isobars	b. an organization that promotes rapid exchange of weather information
	4. station model	c. the U.S. weather forecasting agency
	_ 5. National Weather Service	d. lines that connect points of equal atmospheric pressure
		 e. a pattern of meteorological symbols that represents the weather at a particular station
	6. Doppler radar and satellite a. station models.	images provide information to create
	a. station models. b. weather data.	c. weather models.
	D. Weather data.	d. regional data.
		d. regional data.
	_ 7. Weather stations report dat	a to
		•
	7. Weather stations report data. the WMO.b. collection centers.	a to c. the United Nations. d. the World Weather Watch. es of weather have meteorologists tried to
	 7. Weather stations report dat a. the WMO. b. collection centers. 8. Which of the following type 	a to c. the United Nations. d. the World Weather Watch. es of weather have meteorologists tried to
	 7. Weather stations report dat a. the WMO. b. collection centers. 8. Which of the following type control with freezing nuclei 	a to c. the United Nations. d. the World Weather Watch. es of weather have meteorologists tried to
	 7. Weather stations report dat a. the WMO. b. collection centers. 8. Which of the following type control with freezing nuclei a. tornadoes b. lightning 9. Symbols and colors communications 	c. the United Nations. d. the World Weather Watch. es of weather have meteorologists tried to e. hurricanes d. thunder
	 7. Weather stations report dat a. the WMO. b. collection centers. 8. Which of the following type control with freezing nuclei a. tornadoes b. lightning 9. Symbols and colors communa. weather station. 	c. the United Nations. d. the World Weather Watch. es of weather have meteorologists tried to es of weather hav
	 7. Weather stations report dat a. the WMO. b. collection centers. 8. Which of the following type control with freezing nuclei a. tornadoes b. lightning 9. Symbols and colors communications 	c. the United Nations. d. the World Weather Watch. es of weather have meteorologists tried to ? c. hurricanes d. thunder
	 7. Weather stations report dat a. the WMO. b. collection centers. 8. Which of the following type control with freezing nuclei a. tornadoes b. lightning 9. Symbols and colors communa. weather station. b. station model. 10. Weather map symbols H and colors weather station.	c. the United Nations. d. the World Weather Watch. es of weather have meteorologists tried to e. hurricanes d. thunder unicate weather data on a c. satellite image. d. weather site.
	 7. Weather stations report dat a. the WMO. b. collection centers. 8. Which of the following type control with freezing nuclei a. tornadoes b. lightning 9. Symbols and colors communa. weather station. b. station model. 	c. the United Nations. d. the World Weather Watch. es of weather have meteorologists tried to e. hurricanes d. thunder unicate weather data on a c. satellite image. d. weather site.