Name	Class	Date	•

Assessment

Chapter Test A Chapter 19

Chapter: The Atmosphere MATCHING

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

	1. mercurial
	barometer
	2. mesosphere
· · ·	3. convection
	4. stratosphere
	5. Coriolis effect
, ,,	6. thermosphere
· * · ·	7. radiation
	8. aneroid barometer
	9. conduction

10. troposphere

- a. the coldest layer of the atmosphere, in which temperature decreases as altitude increases
- b. all forms of energy that travel through space as waves
- c. an instrument that measures atmospheric pressure by registering the changes in the bending or bulging of the sides of a sealed metal container
- d. the uppermost layer of the atmosphere, in which temperature increases as altitude increases; includes the ionosphere
- e. an instrument that measures atmospheric pressure by registering changes in the level of mercury inside a tube
- f. a layer of the atmosphere in which temperature increases as altitude increases; contains the ozone layer
- g. the transfer of energy as heat through a material
- h. the lowest layer of the atmosphere, in which temperature drops as altitude increases, and in which weather conditions exist
- i. the curving of the path of a moving object from an otherwise straight path due to Earth's rotation
- j. the movement of matter due to differences in density caused by temperature variations

Name_	C	lass	Date
Chap	oter Test A continued	,	
		à-	
MULT	IPLE CHOICE		
	space provided, write the letter tatement or best answers each		hoice that best complete
,	11. Which of the following pa	rs are NOT con	nponents of the atmosph
	a. nitrogen/oxygen	c. wat	er vapor/particulates
	b. ozone/argon		ospheric pressure/gravi
	12. One effect of air pollution	is the destruction	n of
	a. the nitrogen cycle.	c. the	
	b. photosynthesis.	d. chlo	rofluorocarbons.
	13. Solar radiation that is not r	eflected back in	to the atmosphere is
	absorbed by		
	a. microwaves.	c. radi	o waves.
	b. surface materials.	d. the	Coriolis effect.
	14. Albedo is the fraction of so	lar radiation rea	ching Earth that is
· · · · · ·	a. refracted.	c. refle	
•	b. destroyed.	d. abso	orbed.
	15. Which of the following do	NOT make un o	alohal wind helt?
	a. trade winds	_	r easterlies
	b. westerlies	d. from	
*	16. Local wind patterns are aff		
	a. temperatures.	c. west	
	b. jet streams.	d. raini	ан.
	17. Prevailing winds that blow	throughout the	contiguous United State
	called		
	a. doldrums.		r easterlies.
•	b. westerlies.	d. trade	winds.
1	8. Because of the Coriolis effe	ct, an object tha	at travels north from the
	equator will curve to the		
	a. north,	c. east.	
	b. south.	d. west	• ' ' -
1	19. Which of the following is N	OT a particular	te in the atmosphere?
	a. dust	c. polle	
	b. salt	d. gases	and the second of the second o
<u>.</u>		9.	
2	20. Interactions between solar r		
	a arreduce	- 4	
• .	a. auroras.b. smog.	d. scatt	erature inversions.

Assessment

Chapter Test B

Chapter: The Atmosphere MATCHING

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

- 1. exosphere
 2. stratosphere
 - 3. atmospheric pressure
- _____ 4. thermosphere
- ____ 5. Coriolis effect
- 6. electromagnetic waves
- _____ 7. troposphere
- _____ 8. albedo
- _____ 9. scattering
- ____ 10. mesosphere

- a. the layer of the atmosphere in which temperature decreases as altitude increases; where weather conditions exist
- b. the curving of the path of a moving object from an otherwise straight path due to Earth's rotation
- c. the coldest layer of the atmosphere, in which temperature decreases as altitude increases
- d. the layer of the atmosphere in which temperature increases as altitude increases; contains the ozone layer
- e. the waves that make up all forms of radiation, or solar energy
- f. the fraction of solar radiation that is reflected off the surface of an object
- g. the layer of the atmosphere in which temperature increases as altitude increases; includes the ionosphere
- h. the zone of indefinite altitude, which extends thousands of kilometers above the ionosphere
- i. the phenomenon that makes the sky appear blue and the sun red at sunset
- j. the force per unit area that is exerted on a surface by the weight of the atmosphere

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Chapter Test B continued	7 ^{2,411}	i.
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IULTIPLE CHOICE		
i the space provided, write t ach statement or best answ	the letter of the ansers each question.	wer choice that best complet
11. Temperature inver polluted ground ai	rsions can intensify	the effect of smog when coo
a. a front.		the seem
b. mountains.		the ocean.
· · · · · ·	7 4 1	. warm air.
12. Which processes re	emove water vapor	from the air?
a. evaporation and	transpiration	
b. transpiration and	d condensation	
c. condensation an	d precipitation	
d. precipitation and	d evaporation	•
13 Which of the follow	ring is NOT	
a. volcanic dust	wing is NOT a com	umon source of particulates?
b. salt particles		•
c. chlorofluorocarb	oons	
d. pollen		
		v
14. Radiation whose wa	avelengths are amo	ng the shortest are
a. X rays.		
b. visible light.		
c. infrared waves.		:
d. radio waves.		22
15. About how much of	the solar energy th	nat reaches Earth is absorbed
the land, oceans, and	d atmosphere?	iat reaches Earth is absorbed
a. 20%	c.	50%
b. 30%		70%
		1 3 4
16. The warming of the	surface and lower	atmosphere of Earth, which
occurs when carbon	dioxide, water vap	or, and other gases in the air
absorb and radiate in	ifrared radiation, is	known as
a thermal heat.		· .
b. electromagnetic e	nergy.	M
c. the greenhouse eff d. radiation.	iect.	
u. Iamanon.		
17. In general, the Coriol	lis effect is noticeal	ble only on objects that move
very fast or travel		am' an anione mat 1110AC
a. long distances.		
b. during daylight ho	urs.	
c. from north to south	h. · · · · ·	
d. along a wind belt.	7	