Name	Class	Date	
Name			

Skills Worksheet

Concept Review Chapter 19

oncept kev	lew criapital
e space provided, write th	ne letter of the description that best matches the term
1. layers of the atmosphere	a. all forms of energy that travel through space as waves
2. radiation	b. prevailing winds that blow from west to east between 30° and 60° latitude in both
3. conduction	hemispheres
4. convection	c. the curving of the path of a moving object from an otherwise straight path due to Earth's
5. Coriolis effect	rotation
6. global winds	d. troposphere; stratosphere; mesosphere; thermosphere
7. trade winds	e. polar easterlies meet warm air from the westerlies, creating a stormy area
8. westerlies	f. the transfer of energy as heat through a material
9. polar easterlies 10. front	g. prevailing winds that blow from east to west between 60° and 90° latitude in both hemispheres
	h. prevailing winds that blow from 30° to 0° latitude in both hemispheres
	i. looping patterns of air flow, called convection cells, that move from the poles to the equator
	j. the movement of matter due to differences in density that are caused by temperature variations; can result in the transfer of energy as heat
space provided, write t	the letter of the answer choice that best completes
11. The atmosphere is following is NOT	s a mixture of gases that surround Earth. Which of the a gaseous component of the atmosphere?
a. carbon dioxide	c. particulates
b. argon	d. nitrogen
12. Atmospheric pres instrument. The n rises. What is this	sure presses on the liquid mercury in a well of this nercury rises in a tube as the atmospheric pressure instrument?
a. mercurial baro	meter c. aneroid barometer
b. altimeter	d. thermometer

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Concep	t Review continued	
13		cause the sides of this instrument es are measured on a scale. What is
14	 All radiant energy reaches Earth as a. light waves. b. sound waves. c. electromagnetic waves. d. ultraviolet waves. 	a form of
15	Solar energy warms Earth when raa: reflected.b: refracted.c: scattered.d: absorbed.	diation is
16	 b. Which of the following affects local trade winds b. local temperature variations c. solar storms d. season changes 	al wind patterns?
17	7. The gas that makes up most of Ear a. oxygen.b. argon.c. nitrogen.d. ozone.	th's atmosphere is
18	Which of the following are NOT pa. carbon dioxideb. salt particles	particulates? c. volcanic ash d. pollen
19	The atmospheric layer that is close conditions exist is thea. troposphere.b. mesosphere.	est to Earth and where all weather c. stratosphere. d. thermosphere.
20	b. The main source of air pollution is a. the nitrogen cycle.b. temperature inversions.c. smog.d. the burning of fossil fuels.	