Name	Class	Date

Skills Worksheet

Critical Thinking

ANALOGIES

In the space provided, write the letter of the pair of terms or phrases that best completes the analogy shown. An analogy is a relationship between two pairs of words or phrases written as a : b :: c : d. The symbol : is read "is to," and the symbol :: is read "as."

1. stratosphere : troposphere ::	5. plants : sunlight ::
a. biosphere : water	a. water : evaporation
b. mantle : core	b. organisms: water
c. water cycle : lithosphere	c. air : nitrogen
d. ocean : phytoplankton	d. erosion : rock
2. seismic waves : earthquake ::	6. river : gorge ::
a. temperature : gas	a. erosion : gas
b. weather : air	b. wind : tall rock formation
c. greenhouse effect :	c. water : wind
atmosphere	d. sediments : rocks
d. electromagnetic	
radiation : sun	7. convection current :
	weather ::
3. tectonic plates : asthenos-	a. Richter scale : magnitude
phere ::	b. eruption : climate
a. core : crust	c. plate collision : mountain
b. atmosphere : gases	d. thermosphere :
c. volcano : eruption	temperature
d. ice sheets : pond	_
•	8. aquifer : groundwater ::
4. winds : atmosphere ::	a. life : oxygen
a. currents : hydrosphere	b. ocean : radiation
b. salinity : ocean	c. atmosphere : water vapor
c. earthquakes: ionosphere	d. biosphere : land
d. ocean : climate	

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Critical Thinking continued		
INTERPRETING OBSERVATION	ONS	
Read the following paragraph	hs, and answer the questi	ions below.
and geologist, was on tonic plates. Wegener apart over time to for ment of continents is Wegener publishe drift in 1912. He supp together the edges of formed supercontine crust (tectonic plates slowly over the mantl of criticism until the that the ocean floors blocks were, in fact, in the cornerstone of mental contractions.	rman who was educated the of the first scientists to suggested that past control the present continents known as continental drad his first complete state forted his research by attent. Wegener believed that a could, over very long pole. Wegener's theories real 1960s, when geological e had been spreading and moving. Plate tectonic the odern geology. A crater of fred Wegener, "the father e this essay?	o theorize about tectinents had drifted s. This rearrangerift. The ment on continental tempting to piece to reconstruct a st large blocks of the eriods of time, flow mained the subject vidence confirmed that large crustal teory has become on the moon was
10. Suppose Wegener had me his papers were first pub his theories more readily	lished. Do you think his	support his theories when peers would have accepted
11. Describe one aspect of the might be correct.	ne map of the world that	hints Wegener's theory

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C	ritical Thinking continued		
AG	REE OR DISAGREE		
Agı	ee or disagree with the follo	wing statements, and	support your answer.
12.	Because scientists are unab quake will occur, the govern that all structures can withs	nment has a duty to is:	d precisely where an earth- sue building codes to ensure
13.	Individuals, as well as indus have an obligation to work t increase the level of greenho	o reduce carbon dioxi	· ·
	We need to recycle our was to matter, and new matter d		