Name:	·	Class:		Date:
Earth	s Sci	ience Study Guide		
Multip Identif		Choice choice that best completes the statement or and	swer	s the question.
	1.	Tectonic plates consist of a. continental crust. b. oceanic crust.	c. d.	both continental and oceanic crust. mesosphere.
	2.	Evidence for sea-floor spreading has come from a. fossils in South America and Africa. b. magnetic minerals on the ocean floor.	m c. d.	ancient climatic conditions. the breakup of Pangaea.
	3.	What is the outermost layer of the Earth called a. core b. lithosphere	l? c. d.	asthenosphere mesosphere
	4.	What type of boundary is formed when plates a. convergent b. horizontal	separ c. d.	rate? divergent transform
	5.	Changes in density in the asthenosphere are ca a. thermal energy. b. slab pull.		by ridge push. seismic waves.
	6.	What waves of energy from earthquakes do sc. a. earthquake waves b. transform waves	ientis c. d.	sts use to study Earth's interior? gap waves seismic waves
	7.	An active volcano  a. has never erupted.  b. will blow smoke but never erupt.  c. is currently erupting or will erupt very sood.  d. will erupt in 100 years.	on.	
	8.	Molten rock deep underground often gathers in a. vent. b. magma chamber.	n a c. d.	landslide. caldera.
	9.	Pyroclastic material forms when  a. lava flows calmly from a crack in Earth's  b. magma remains underground too long.  c. magma explodes into the air and hardens.  d. lava flows underwater.	crus	t.
	10.	The depression created when the roof of a mag a. caldera. b. crater.	gma o c. d.	chamber collapses is called a lava plateau. lapilli.

ID: A

 11.	<ul><li>Volcanic activity is common along the Mid-At</li><li>a. mantle plume.</li><li>b. subducted plane.</li></ul>	lanti c. d.	c Ridge. This activity occurs at a divergent boundary. break in the continental crust.
 12.	<ul><li>What is most likely to happen if the water cont</li><li>a. A nonexplosive eruption will occur.</li><li>b. No eruption will occur.</li></ul>	ent c c. d.	of magma is high? An explosive eruption is likely. Pressure will decrease.
 13.	Which kind of volcano will probably never eru a. an active volcano b. an extinct volcano	pt ag c. d.	gain? a dormant volcano a chamber volcano
 14.	The main elements in stars are a. carbon and nitrogen. b. oxygen and nitrogen.	c. d.	helium and hydrogen. calcium and iron.
 15.	<ul><li>What distance equals a light-year?</li><li>a. 1 trillion kilometers</li><li>b. 6 trillion kilometers</li></ul>	c. d.	<ul><li>9.5 trillion kilometers</li><li>15 trillion kilometers</li></ul>
 16.	What element creates the energy that causes that a. sulfuric acid b. carbon dioxide	e sur c. d.	n to shine? hydrogen methane
 17.	<ul><li>A giant body of hot gases that is held together</li><li>a. a planet.</li><li>b. a nebula.</li></ul>	by gi c. d.	ravity and produces its own light is a star. a comet.
 18.	The theory that the universe began with a huge a. light-year. b. Oort cloud.	exp c. d.	losion is called the big bang. cosmic snowball.
 19.	The moon has a cratered surface because <ul><li>a. it has strong gravity.</li><li>b. it has cold temperatures.</li></ul>	c. d.	it rotates around Earth. it has no atmosphere.
 20.	A galaxy that stopped making new stars more ta. irregular galaxy. b. spiral galaxy.	han c. d.	10 billion years ago is a(n) elliptical galaxy. nebula.
 21.	What kind of atoms fuse on stars to make heliu a. methane b. hydrogen	m? c. d.	oxygen nitrogen
 22.	What color are the hottest stars, such as Rigel? a. blue b. red	c. d.	yellow orange
 23.	Each planet moves around in the sun in a. a path the shape of a circle. b. a path the shape of an ellipse.	c. d.	a path the shape of a spiral. similar-sized orbits.

24.	<ul><li>The closer a planet is to the sun,</li><li>a. the slower it travels around the sun.</li><li>b. the faster it travels around the sun.</li></ul>	c. d.	the smaller the angle of its axis. the greater the angle of its axis.
25.	The time required for Earth to rotate once on i a. day. b. night.	ts ax c. d.	
26.	The gravitational attraction between two objects. the distance between them increases and to the distance between them decreases and to the distance between them increases and to the distance between them decreases and the distance between the distance bet	their their their	mass increases. mass decreases. mass decreases.
27.	The amount of time that a planet takes to compa. orbit. b. ellipse.	plete c. d.	a single trip around the sun is called a(n) period of rotation. period of revolution.
28.	Which of the following is the cause of the chara. the distance of a place from the Equator b. prevailing winds blowing across land or w.c. the tilt of Earth's axis d. the rotation of Earth		
29.	Bacteria break down organic matter and return example of a. combustion. b. transpiration.	c. d.	nitrogen fixation. decomposition.
30.	Most animals get nitrogen from a. the atmosphere. b. the soil.	c. d.	performing nitrogen fixation. eating other organisms.
31.	<ul><li>A forest grows back after a forest fire. This is a. primary succession.</li><li>b. secondary succession.</li></ul>		cample of biodiversity. mature community.
32.	<ul> <li>Why is the carbon cycle important to living the</li> <li>a. It transports the materials cells use for ene</li> <li>b. It converts nitrogen to a usable form.</li> <li>c. It converts carbon from a liquid to gas.</li> <li>d. It transports wastes in organisms.</li> </ul>	_	
33.	<ul> <li>Which of the following statements about cycle</li> <li>a. Matter is lost in each cycle.</li> <li>b. Human activity has little or no impact on ec. Each cycle involves evaporation and cond</li> <li>d. Matter moves between the nonliving parts</li> </ul>	cycle lensa	es. ition.
34.	Besides water, what do all organic molecules of a. oxygen b. nitrogen	conta c. d.	uin? gold carbon

ID: A

Name: \_\_\_\_\_

35.	What plant will most likely grow first in secon a. pine tree b. lichen	dary c. d.	succession? crab grass hardwood tree
36.	<ul><li>The dry prairie ecological community of Florida.</li><li>a. coastal areas.</li><li>b. Central Florida.</li></ul>	da is c. d.	found mostly in North Florida. South Florida.
37.	<ul><li>A byproduct of sugar cane processing that can</li><li>a. bagasse.</li><li>b. phosphates.</li></ul>	gene c. d.	rate electricity is called melaleuca. cabbage palms.
38.	<ul> <li>Which of the following organizations manages</li> <li>a. the National Park System</li> <li>b. the Florida Land Owners Incentive Progra</li> <li>c. Florida's State Park System</li> <li>d. the Junior Ranger Organization</li> </ul>		Florida state forests?
39.	<ul><li>An underground layer of rock or sediment that</li><li>a. watershed.</li><li>b. wetland.</li></ul>	allov c. d.	ws water to flow through it is called a(n) well. aquifer.
40.	<ul><li>Which is NOT an example of habitat restoration</li><li>a. using TEDs</li><li>b. building artificial reefs</li></ul>	on? c. d.	planting salt grass in wetlands removing invasive species
41.	<ul><li>A negative effect of agriculture on Florida's er</li><li>a. tourism.</li><li>b. pollution from pesticides.</li></ul>	nviro c. d.	nment is urban sprawl. sugar cane byproducts.
42.	Which of the following is an example of ocean a. using dredge-and-fill construction b. constructing artificial reefs	n hab c. d.	itat restoration? limiting the use of lawn chemicals installing scrubbers on smokestacks
43.	<ul><li>An ecological community in Florida that include</li><li>a. dry prairie.</li><li>b. beach.</li></ul>	des b c. d.	weech and cabbage palms is the woodland forest. wetlands.
44.	When he wrote <i>Principles of Geology</i> , between occurred  a. gradually over time.  b. suddenly because of unpredictable events.  c. because of temperature changes.  d. because of pollution from fossil fuels.		30 and 1833, Charles Lyell believed geologic changes
45.	When paleontologists find fossils of trilobites layers are approximately a. 400 thousand years old.	in ro	ck layers anywhere on Earth, they assume these rock 40 million years old.

Name: \_\_\_\_\_

b. 4 million years old.

ID: A

d. 400 million years old.

Name	e:					ID: A		
	46.	Which of th	ne following is the larg	rest division of re	ologic time?			
	<del>4</del> 0.	a. eon	ic following is the larg	c.	era			
		b. epoch		d.	period			
	47.	47. The time it takes for half of the unstable atoms in a sample to decay is the atom's						
		a. stable d	decay.	c.	half-life.			
		b. absolut	te age.	d.	life span.			
	48.	What did m	arine fossils found on	a mountainton in	Canada tell scientists?			
	10.	What did marine fossils found on a mountaintop in Canada tell scientists?  a. The rocks were pushed up from below sea level.						
		b. Marine species once lived on land.						
			ssils were moved by ve	•				
		u. The mo	ountains are about one	million years old	•			
	49.	What are fo	ssils of things that live	ed for a short geo	logic time called?			
		a. trace fo	ossils	c.	coprolites			
		b. molds		d.	index fossils			
50.		A paleontologist is studying a rock layer that contains fossils from reptiles, amphibians, and large mammals.						
		The rock layer the paleontologist is studying belongs to which division of geologic time?						
		a. Mesozo	oic era	c.	Paleozoic era			
		b. Protero	ozoic era	d.	Cenozoic era			