Q2W1-Test1- History of life

True/False

Indic	ate v	whether the statement is true or false.	
	1.	Geological events on Earth set up conditions that would play a major role in the evolution of life on Earth.	
	2.	By the end of the Mesozoic, the continents took on their modern shape.	
	3.	The conditions on primitive Earth were very suitable for life.	
	4.	Earth is thought to have formed about 4.6 billion years ago.	
	5.	The first organisms appeared on land between 3.9 and 3.4 billion years ago.	
		Choice ne choice that best completes the statement or answers the question.	
	6.	Urey and Miller subjected water, ammonia, methane, and hydrogen to heating and cooling cycles and jolts of electricity in an attempt to a. determine the age of microfossils b. find out how ozone forms in the atmosphere c. determine how the dinosaurs became extinct d. form complex organic compounds	
	7.		
	8.	While looking for fossils on an eroded hillside, you discover fossil coral and fish in one layer. In a layer just above, you find the fossil imprint of a fern frond and some fossil moss. Assuming the rock has not been disturbed, which of the following is the most probable conclusion? a. The area had been a sea until recent times. b. A sea had been replaced by land in ancient times. c. A saltwater sea had changed to a freshwater lake in ancient times. d. A forest had once grown there but had become submerged by water.	
	9.	Which of the following fossils are not found in sedimentary rock? a. petrified wood b. frozen mammoths c. imprints d. amber	
	10.	According to one theory, the first prokaryotes probably obtained their food a. through a combination of photosynthesis and aerobic respiration b. by eating carbohydrates formed by autotrophs c. by consuming organic molecules available in their environment d. through the synthesis of organic molecules from inorganic molecules	

	11.	Which of the following statements are tr	ue about fossils?	
		a. Fossil insects that were trapped in ice or hardened into amber.		
		b. Fossils are usually found in sedimentary rock layers.		
		c. There are many different ways that fossils can be formed.		
		d. all of these		
	10		a the avidence of garabic arganisms?	
12.		Which event contributed most directly to the evidence of aerobic organisms?		
		a. the presence of organisms able to carry on photosynthesis		
		b. an increase in the concentration of methane in the ancient atmospherec. an increase in the number of organisms carrying on fermentation		
		9	ims carrying on termentation	
		d. a decrease in the sun's light intensity		
	13.	Which group of organisms is believed to		
		,	c. mammals	
		b. land plants	d. aquatic dinosaurs	
14	14.	Humans are thought to have evolved d	uring the Era.	
			c. Paleozoic	
			d. Mesozoic	
	15.		ormation of Earth approximately years ago.	
	15.		c. 4.6 million	
			d. 4.6 billion	
	16.	A clear fish imprint in a rock indicates th	·	
		<u> </u>	c. volcanic	
		b. metamorphic	d. sedimentary	
17.		The primitive Earth atmosphere is hypoth	nesized to have consisted mostly of	
		a. oxygen, nitrogen, and water vapor		
		b. hydrogen, methane, ammonia, and	water vapor	
		c. amino acids, ATP, carbohydrates, ar	nd oxygen	
		d. none of these		
	18.	Since the 1950s, experiments have been	conducted that lead scientists to conclude that	
		life may have originated		
		a. when prokaryotes joined together to	make the first eukarvotic cell	
		b. spontaneously as originally thought	Thate the first series, and series	
		c. in small pools of water where amino	acids could be concentrated	
		d. in other parts of the universe	acias cosia so concominatoa	
	10	·	d cornerstane of biology it was widely accorted	
19.		that .	d cornerstone of biology, it was widely accepted	
			hor flios	
		a. flies could be produced only from of		
		b. Francesco Redi and Louis Pasteur wo	ould be unable to test the current	
		beliefs	ha faransa a dha an là darar dhaba ara	
		c. living things could arise spontaneous	,	
		d. maggots were the immature offsprin		
	20.	Which fact is the basis for using the fossil record as evidence that evolution has taken		
		place?		
		a. In undisturbed layers of rock strata, the	ne older fossils are found in the deeper	
		layers.		
		b. Fossils have been shown to provide of	a complete record of human	
		evolution.		
		c. All fossils were formed at the same til	me.	
		d. There are fossils of all life-forms to be	found in rock layers.	
