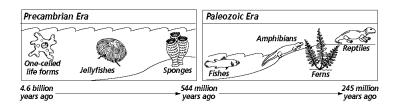
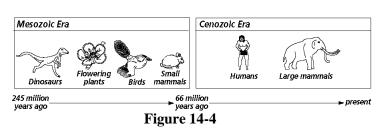
Q2W1-H.W- History of life

Matching

	Match each item with the correct state.	ment below.		
	 a. petrified fossil 	e.	amber-preserved	
	b. imprint	f.	fossil	
	c. trace fossil	g.	mold	
	d. cast			
1.	An exact stone copy of an original organism, the hard parts of which have been penetrated and replaced by minerals			
2.	Any evidence of an organism that lived	d long ago		
	A fossil embedded in tree sap, valuable because the organism is preserved intact			
4.				
5.			that falls into sediments and leaves an outline when the	
6.	An object formed when a mold is filled	d in by mine	rals from the surrounding rock	
7.				
			·	
N	71 •			
Multiple (. 4	dha acadan	
iaentify the	e choice that best completes the statemer	it or answers	s the question.	
8	A clear fish imprint in a rock indicates	that the rock	c is probably	
0.	a. igneous		volcanic	
	b. metamorphic		sedimentary	
9.	Which group of organisms is believed		•	
).	a. land plants		mammals	
	b. aquatic dinosaurs		cyanobacteria	
10	Humans are thought to have evolved d		•	
10.	a. Precambrian	•	Mesozoic	
	b. Paleozoic		Cenozoic	
11.			s evidence that evolution has taken place?	
11.	a. There are fossils of all life-forms to			
	b. All fossils were formed at the same		r rock layers.	
	c. Fossils have been shown to provid		record of human evolution	
	d. In undisturbed layers of rock strata			
12.	Which of the following fossils are not			
	a. imprints		amber	
	b. frozen mammoths		petrified wood	
13.			•	
15.	a. by consuming organic molecules a			
	b. by eating carbohydrates formed by			
	c. through a combination of photosyr		erobic respiration	
	d. through the synthesis of organic m		•	
14.			f Earth approximately years ago.	
	a. 4.6 million	c.	4.6 billion	
	b. 4.6 thousand	d.	46 million	





1	15.	According to Figure 14-4, in how many eras have mammals existed?		
		a. 5 c.		
		b. 7 d.	2	
1	16.	According to Figure 14-4, what was the earliest for	m of multicellular life on Earth?	
		a. land plants c.	fish	
		b. reptiles d.	invertebrates	
1	17.	According to Figure 14-4, the correct chronological	l order of organisms as they develop are	
		a. dinosaurs, jawed fish, birds, prokaryotes		
		b. jawed fish, dinosaurs, prokaryotes, birds		
		c. prokaryotes, jawed fish, dinosaurs, birds		
		d. birds, dinosaurs, jawed fish, prokaryotes		
1	18.	Before biogenesis became an accepted cornerstone	of biology, it was widely accepted that	
		a. living things could arise spontaneously from of	her living things	
		b. flies could be produced only from other flies		
		c. Francesco Redi and Louis Pasteur would be un	able to test the current beliefs	
		d. maggots were the immature offspring of flies		
19.		Which event contributed most directly to the evidence of aerobic organisms?		
		a. an increase in the number of organisms carryin	•	
		b. an increase in the concentration of methane in t	he ancient atmosphere	
		c. a decrease in the sun's light intensity	a armath a aile	
_	• •	d. the presence of organisms able to carry on phot	•	
20.			discover fossil coral and fish in one layer. In a layer just	
		disturbed, which of the following is the most proba	d some fossil moss. Assuming the rock has not been	
		a. The area had been a sea until recent times.	ble colletusion?	
		b. A saltwater sea had changed to a freshwater lake	re in ancient times	
		c. A forest had once grown there but had become		
		d. A sea had been replaced by land in ancient time	•	
2	21.	ž , , , ,	e, and hydrogen to heating and cooling cycles and jolts of	
	-1.	electricity in an attempt to		
		a. find out how ozone forms in the atmosphere		
		b. determine the age of microfossils		
		c. form complex organic compounds		
		d. determine how the dinosaurs became extinct		

	22.	The primitive Earth atmosphere is hypothesized to have consisted mostly of	
		a. oxygen, nitrogen, and water vapor	
		b. hydrogen, methane, ammonia, and water vaporc. amino acids, ATP, carbohydrates, and oxygen	
		d. none of these	
	23.	Which of the following statements are true about fossils?	
		a. There are many different ways that fossils can be formed.	
		b. Fossils are usually found in sedimentary rock layers.	
		c. Fossil insects that were trapped in ice or hardened into amber.d. all of these	
	24.	Scientists agree that two developments must have occurred for life to come into being: the formation of	
	24.	simple organic molecules important to life and	
		a. organization of molecules into complex organic molecules	
		b. appearance of amino acids, monosaccharides, and lipids	
		c. an atmosphere rich in water vapor, oxygen, and ATP	
	25	d. development of prokaryotic cells in early oceans Since the 1050s corresponds have been conducted that lead scientists to conclude that life may have	
	25.	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 eukaryotic cell	
		b. in other parts of the universe	
		c. in small pools of water where amino acids could be concentrated	
Comp	lotio	d. spontaneously as originally thought	
_		ach statement.	
•			
		A. spontaneous generation	
		B. BiogenesisC. archaebacterial	
		D. protocells	
		D. protocolis	
	26.	The idea that life arises only from life is referred to as	
	27.	The ancient belief that nonliving materials could be transformed into living organisms was referred to as	
		·	
	28.	Structures called, capable of growth and metabolism, have been produced in the	
		laboratory. Structures like these may have eventually evolved into heterotrophic prokaryotes.	
	29.	Organisms known as are chemosynthetic autotrophs that survive in harsh conditions	
		where there is little sunlight or oxygen.	
True/	Folco		
		nether the statement is true or false.	
	30.	Earth is thought to have formed about 4.6 billion years ago.	
	31.	By the end of the Mesozoic, the continents took on their modern shape.	
	32.	The first organisms appeared on land between 3.9 and 3.4 billion years ago.	
	33.	The conditions on primitive Earth were very suitable for life.	
	34.	Geological events on Earth set up conditions that would play a major role in the evolution of life on Earth.	
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