Test bank

1.	The geocentric model was developed d	uring the time of the ancient Greeks. This model
	A. was abandoned during the time of the held again	he Roman Empire and would never be widely
	B. was held to be true by thinkers through Renaissance	ughout the Middle Ages, up until the
	C. was rediscovered by the Polish astromodel of the Universe ever since	onomer Copernicus and has been the accepted
	D. has been proven by NASA space ph	notos
2.	In the heliocentric model	<u>_</u> ,
	A. Earth orbits around the Sun	
	B. the Sun orbits around Earth	
	C. Earth is a stationary planet	
	D. Mercury and Venus orbit around the	e Sun, but all other planets orbit around Earth
3.	In our current understanding of the big	_
	A. Earth is much older than the rest of	
	B. the Universe is considerably older t	
	C. Earth and the Universe formed at ab	
	D. there is no way of knowing how old	the Universe might be
4.	As the Universe has evolved,	
	A. hydrogen has been lost through fusi	
	B. hydrogen concentration has increase	=
	C. hydrogen concentration has increase	_
	D. the number of hydrogen atoms has	likely remained constant
5.	Among the choices below, the best esti years old.	mate of the age of the Universe is
	A. 5 million	C. 14 billion
	B. 6 billion	D. 100 billion
6.	The big bang theory states that	
	A. all stars will end their lives explosive	rely as supernovas
	B. Earth formed through a series of vio	olent collisions
	C. meteors were responsible for the ex	tinction of the dinosaurs
	D. all matter in the Universe was once	confined to a single point
	Strong evidence that the Universe is exted from distant galaxies appears to be	panding comes from the fact that the light
	A. red-shifted	C. green-shifted
	B. blue-shifted	D. none of the above

	Italian Renaissance astronomer Galileo nct entities from stars.	was the first person to deduce that planets were
	A. true	B. false
9.	Since the initiation of the Big Bang, the	e temperature of the Universe has
	A. increased B. decreased C. stayed about the same	
10.	Atoms that are heavier than iron are ge A. fission reactions within stars B. fusion reactions within stars C. the explosion of supernovae D. the big bang	nerally produced by
11.	By far the most common elements in the	ne Universe and in our Solar System are
	A. nitrogen and oxygen B. iron and manganese	C. hydrogen and heliumD. hydrogen and oxygen
12.	Which of the following bodies is the sn A. planet B. star	nallest? C. protoplanet D. planetesimal
13.	Aside from Earth, the terrestrial planets A. Mars, Mercury, and Venus B. Mars, Venus, and Jupiter C. Jupiter, Saturn, Uranus, and Neptun D. Mars and Saturn	
14.	The gas-giant, or Jovian, planets areA. Mars, Mercury, and Venus B. Mars, Venus, and Jupiter C. Jupiter, Saturn, Uranus, and Neptun D. Mars and Saturn	
15.	The branch of science that studies the s	structure and history of the Universe is
	A. cosmetology B. scientology	C. cosmology D. universalism
16.	All objects in the Solar System are in o A. Earth B. Jupiter	orbit around C. the Sun D. the Kuiper Belt

1/.	An ancient Greek philosopher conclude. A. the Earth was spherical (round) B. the Sun was the center of the who C. the Sun was the center of the Earth D. the Earth was the center of the Ur	ole Universe ch's orbit	
18.	The circumference of Earth is most nearly		
	A. 400 km	C. 40,000 km	
	B. 4,000 km	D. 4,000,000 km	
19.	A light year is a unit that measures _		
	A. time	C. distance	
	B. mass	D. luminous intensity	
20.	Our Sun belongs to a galaxy known a	as	
	A. Andromeda	C. the Milky Way	
	B. Cepheus	D. the Stratosphere	
21.	In agreement with the Big Bang theory, our Universe is		
	A. expanding	C. static (unchanging)	
	B. contracting		
accı	The stream of charged particles given imulation of hydrogen and helium dured	n off by the Sun, which prevented the ing the formation of the terrestrial planets, is	
Cum	A. the aurora borealis	C. the Sun's corona	
	B. solar wind	D. the Van Allen belts	
23.	Chemically, the Moon is quite similar to		
	A. seawater	C. Earth's mantle	
		C. Larui S manue	
	B. Earth's crust	D. Earth's core	
24.		D. Earth's core um proved that	

34. Hot, liquid rock beneath the surface of the Earth is termed _____.

C. volatiles

D. brimstone

A. lava

B. magma

35.	A fracture in the crust, where rock	ks slide past one another, is termed a	
	A. fold	C. flying layer	
	B. fault	D. frictional discontinuity	
	The boundary between the crust and mantle is marked by a seismic-velocity ontinuity called		
	A. the Edsel	C. Lyell's surface	
	B. the Moho	D. the crantle	
37.	As seismic (earthquake-generated) waves travel downward and reach the Moho, they	
	A. speed up	C. continue at the same velocity	
	B. slow down	D. are all reflected directly back toward the surface	
38.	Earth's magnetic field is generated. A. the flow of the liquid inner con B. the flow of the liquid outer con C. the convective flow of the mar D. magnetic minerals within the or	re re ntle	
	-		
39.	The lithosphere is composed of the A. crust only B. crust, mantle, and outer core C. top 100 m of sediments and se		
	D. crust and the uppermost part of	•	
40.	Moving into the interior of Earth, A. and pressure both increase B. and pressure both decrease C. increases, but pressure stays n D. remains remarkably constant,	early the same	
	•	-	
41.	The thickness of Earth's crust var		
	A. 100 to 500 m	C. 5 to 500 km	
	B. 1 to 10 km	D. 7 to 70 km	
42.	Of the three primary chemical lay	vers of the Earth (crust, mantle, core), which is the	
thic	kest layer?		
	A. crust		
	B. mantle		
	C. core		
43.	Which of Earth's layers has the gr	reatest density?	
	A. crust		
	B. mantle		
	C. core		

44.		e, the concentration of gases in our atmosphere	
	A. becomes denser		
	B. becomes less dense		
	C. remains the same	4	
	D. increases for the first 10 km, then starts to decline		
45.	The two most common elements in the crust of Earth are		
	A. iron and calcium	C. oxygen and hydrogen	
	B. magnesium and manganese	D. oxygen and silicon	
46.	6. The metallic content of Earth's core is		
	A. likely similar to what has been found in metallic meteorites		
	B. partly liquid and partly solid		
	C. an iron alloy (mostly iron with a few other elements mixed in)		
	D. all of the above		
47.	As compared to continental crust, the rocks that make up oceanic crust are		
	A. denser		
	B. made of minerals that contain more silica		
	C. thicker		
	D. all of the above		
48.	8. The Moho		
	A. lies at uniform depth everywhere it is found in Earth		
	B. is found deeper underneath continents than under oceans		
	C. is found deeper underneath oceans than under continents		
	D. is found well below the crust/mantle boundary		
49.	The lithosphere lies directly above the		
	A. transition zone	C. asthenosphere	
	B. crust	D. lower mantle	
50.	As compared to the asthenosphere, the lithosphere is		
	A. cooler and more able to flow	C. cooler and less able to flow	
	B. hotter and more able to flow	D. hotter and less able to flow	