Name:		<u>The Principles, Theories & Precepts</u>
Data	Cuada	<u>of Biology</u>
Date:	Grade:	— Chapter 1, Section 1



EARLY HISTORY OF SCIENCE



You are making progress! Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each qu coi

nestion indicates. Check your answers from the Answer Key. Correct all errors, then implete your next goal.				
1. The great pyramids of the ancient Egyptians are evidence of:				
(a) their knowledge concerning biological and medical practices (b) their knowledge of astronomy and architectural engineering (c) the success of their medical remedies (d) their lack of knowledge of astronomy and architectural engineering	·			
2. Ancient Egyptian medical procedures were: (a) based largely on scientific research (b) sanitary (c) usually successful (d) based largely on superstition	·			
3. For hundreds of years, most people believed that the Sun and other planetary bodies revolved around the	1			
4. The geocentric theory is a true scientific concept (a) True or (b) False				
 5. The theory that every substance contained the "magical" ingredient,				
6. The French chemist, Lavoisier, proved that is the key element for combustion.	needed			
7. Scientists should be veiwed as completely objective, detached, and impartial (a) True or (b) False				

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8. Tl	he <i>Dark Ages</i> were characterized by all o	of the following, exce	ept:
	(a) a decline in scientific learning (b) lost and forgotten discoveries (c) superstition and reliance on church (d) many important discoveries	dogma	<u> </u>
9. A	"scholar" of the so-called Dark Ages wo	ould be most likely to	:
	(a) accept the teachings of earlier schole (b) question earlier theories (c) design his or her own experiments (d) discredit Aristotle		·
<u>10.</u> W	Which belief emerged from the period of a Europe?	·	~ `
	(a) Man has the ability to put scientific(b) The universe is out of control.(c) God established the universe and put(d) Man should blindly accept tradition.	t certain laws into ex	istence.
11. W	ho said, "Cease to be ruled by dogmas a	and authorities; look a	at the world!"?
12. Fr	(a) Francis Bacon (b) Galileo Galilei (c) Sir Isaac Newton (d) Roger Bacon rancis Bacon urged men to do all of the to	Following, except:	
_	(a) use the experimental approach to sc (b) faithfully accept traditional dogmas (c) trust no statements without verificat (d) test all things with rigor	ience	
<u>13.</u> N	icolaus Copernicus announced that the E around the Earth (a) True		ne Sun rather than the Sun
<u>14.</u> Si	r Isaac Newton's discovery of the movements of the planets brought physical properties are the planets brought physical properties.		
15. N	ewton's works were based primarily on: (a) biblical concepts (b) Galileo's discoveries (c) the works of Aristotle (d) tradition & dogma		,

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Matchi	ng:		
<u>16.</u>	Antoni van Leeuwenhoek	(a) discovered the presence of cells in biological material	
<u> 17</u>	Robert Hooke	(b) described the anatomy of the human body	
<u>18.</u>	Andreas Vesalius	(c) made contributions to understanding how the embryo develops	
<u> 19.</u>	William Harvey	(d) published books on birds and a treatise on insects	
<u> 20.</u>	John Ray	(e) described many microscopic organisms	
<u>21.</u>	Carolus Linnaeus	(f) explained fossils as the remains of organisms	
22	Marcello Malpighi	(g) discovered the way blood circulates in the body	
23	Ulisse Aldrovandi	(h) founded the modern system of classification of living organisms	
	0 0	Species by Means of Natural Selection or the the Struggle for Life was written by	
<u>25</u> . Wi	rite the Life Principle :		
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