Unit 11 Test Review

		Name: Answer Key Date: Test #:
et)	fine 1.	the following keywords. Taxonomy: the science of classifying living things
	2.	Phylogenetic Tree: A diagram that shows which organisms are still
	3.	living, which organisms are extinct, and common ancestors Cladogram: A diagram that depicts the degree of evolutionary
		relationships, based on related structures and adaptations
	4.	Derived Character: Cach particular feature on a cladogram that
		is used to assign an organism to a group
	5.	Dichotomous Key: tool used to identify organisms using their
		characteristics
	6.	Which scientist developed the naming system we use today that assigns a genus and a species name?
		Carolus Linnaeus
	7.	A domestic dogs is also known as Canis familiaris.
		a. What is this organism's genus? <u>Canis</u>
		b. What is this organism's species? <u>Familiaris</u>
		c. What is the scientific name? <u>Canis familiaris</u>
		What language is used to describe scientific names?
	9.	Why do we use the language described in number 8?
		a. Language of scientists around the world.
		b. Studied and written, but not spoken.
	10	c. It is descriptive and the root of many other language
	10.	Why do scientists not use common names of organsims?
		a. The same organism may have many common names.
		b. <u>Common names are misleading.</u>
		c. Common names vary with different languages.

11. What a	are the seven levels of biological hier	archy in correct order? (Begin with Kingdom.)		
a.	Kingdom	_ (LEAST SPECIFIC)		
b.	Phylum			
c.	CIASS			
d.	order			
e.	Family			
f.	Genus			
g.	Species	_(MOST SPECIFIC)		
12. If class	ses are divided into orders, then what	are orders divided into? Family		
13. How d	lo scientists classify organisms today	? Physicial similarities,		
che	emical similarities,	and behavioral similarities		
14. Briefly describe the six kingdoms and domains. They are organized by the three domains.				
a.	Domain Archaea :	prokaryotic organisms that		
	live in extreme e	nvironmen+s		
	i. Kingdom Archeaba	cteria: examples: halophiles		
	(sait-loving) a	nd nupertnermophiles (heat-loving		
b.	Domain <u>Bacteria</u> :	common prokaryotic		
	organisms found	almost everywhere		
	i. Kingdom <u>Eubacter</u>	ia : examples: bacteria		
	and cyanoba	Cteria		
c.	Domain EUKarya	: eukanyotic organisms that		
	are most of the	world's visible living things		
	i. Kingdom <u>Plantae</u>	: multicellular eukanyotic		
	which can mo	are food through photosynthesis		
	ii. Kingdom Animalia	a : multicellular eukaryotic		
	organisms the	at must ingest fond		
	iii. Kingdom Protista	: eukaryotic unicellular		
	organisms, p	rotozog and algae		
	iv. Kingdom Fungi	: multicellular eukaryotic		
	organisms pla	nt-like in structure but cannot		
15. Be abl	le to read cladograms, phylogenetic t	rees, and dichotomous keys.		