Name:	Class:	Date: ID: A	
Biology	gy Chapter 17: Organizing Life's Diversity		
Frue/Fals Indicate w	alse e whether the statement is true or false.		
1.	1. Aristotle recognized that species evolve over time.		
2.	2. A kingdom is the broadest of all the taxa.		
3.	3. A dichotomous key gives each species a scientific name th	at has two parts.	
	4. A taxonomic class contains related orders.		
	5. Characters are inherited biochemical features.		
6.	6. When a population becomes geographically isolated from different adaptations from the rest of the species.	other members of the species, it often evolves	
7.	7. The branches of a cladogram indicate known ancestry.		
8.	Mushrooms belong to Domain Eukarya and Kingdom Plantae.		
	9. The virus that causes the common cold is a member of Kin		
Aulti <mark>pl</mark> e (O. Plants are predominantly autotrophic, with some heterotrope e Choice the choice that best completes the statement or answers the que	$1/\Lambda$	
11.	 Which of the following is the correct way to write the scier a. cardinalis cardinalis c. cardinalis 		
12.	 Which of the following is a taxon of related phyla or division a. class b. domain c. kingdo d. order 	ons?	
13.	3. Which of the following is the most general taxon?a. genusb. kingdomc. phylund. species		
14.	Which of the following lists the taxa from broadest to most specific? a. domain, kingdom, class, order, phylum, family, genus, species b. species, genus, family, order, class, phylum, kingdom, domain c. domain, kingdom, phylum, class, order, family, genus, species d. phylum, kingdom, class, family, order, genus, domain, species		
15.		ata	
16.		pecies concept?	

- 17. Which of the following is an example of a morphological character used for classification of taxa?
 - a. DNA analysis
 - b. RNA analysis
 - c. the hip structure of theropods
 - d. the chromosomes of broccoli and cauliflower
- 18. Which type of character is found within an entire line of descent of a group of organisms?
 - a. ancestral

c. derived

b. biochemical

d. morphological

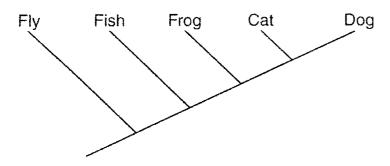


Figure 17-1

- 19. Which of the following groups in Figure 17-1 is the outgroup?
 - a. cats

c. fish

b. dogs

- d. flies
- 20. What assumption is made when constructing a cladogram?
 - a. the fewer derived characteristics shared by groups, the more recently the groups share a common ancestor
 - b. the more derived characteristics shared by groups, the more recently the groups share a common ancestor
 - c. the fewer ancestral characteristics shared by groups, the more recently the groups share a common ancestor
 - d. the more ancestral characteristics shared by groups, the more recently the groups share a common ancestor
- 21. Which of the following are prokaryotes that contain peptidoglycan in their cell walls?
 - a. Archaebacteria

c. Fungi

b. Eubacteria

- d. Protists
- 22. Which domain includes organisms that are called extremophiles?
 - a. Animalia

c. Bacteria

b. Archaea

- d. Eukarya
- 23. Which of the following Kingdoms is not included in the Domain Eukarya?
 - a. Bacteria

c. Plantae

b. Fungi

- d. Protista
- 24. Which character distinguishes Fungi from Plantae?
 - a. presence of membrane-bound organelles
 - b. presence of membrane-bound nucleus
 - c. cell walls with chitin
 - d. multicellular

Name:	
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ID: A

- 25. What are the Domain and Kingdom of a paramecium?
 - a. Domain Bacteria, Kingdom Eubacteria
 - b. Domain Archaea, Kingdom Plantae
 - c. Domain Eukarya, Kingdom Protista
 - d. Domain Archaea, Kingdom Protista