Naı	Name Period					
	Foglia			Date		
		AP: CHAPTER 25	: PHYLOGENY AND S	YSTEMATICS		
1.	What is pl	nylogeny?				
2.	How are f	ossils significant to our s	tudy of biology?			
3.		ese key points in the stu				
	a. Sedim	entary rocks are the rich	est source of fossils.			
	b. Paleor	ntologists use a variety o	f methods to date fossils.			
	c. The fo	ssil record is a substanti	al, but incomplete, chroni	cle of evolutionary history.		

Name	
	e. The history of life is punctuated by mass extinctions.
4.	List examples of fossils.
5.	What techniques do relative dating use to place fossils in their place in geologic time?
6.	What marks the separation between the major eras in the geologic time scale?
7.	How does absolute dating compare to relative dating?
8.	Describe the two main characteristics of the Linnaean system of classification. a
9.	b

Na	me Ms. Foglia
10.	What does a phylogenic tree show?
11.	When classifying organisms in a cladistic diagram, identify three pitfalls scientists might encounter classifying creatures.
	ab
10	C
12.	What do scientists use when placing an organism on a cladistic diagram?
13.	How have molecular clocks influenced our thoughts on evolutionary paths?
14.	Why is the four chamber heart a poor choice of structure to place creatures on a phylogenic tree?
15.	Why are crocodiles now thought to be closer to birds than other reptiles?