Na	me	Date	Class	
Changes Over Time ■ Gu		Guided Reading a	ded Reading and Study	
E	vidence of Eve	olution		
Thi	is section tells how scientis	ts decide which living th	nings are related.	
In	terpreting the Evi	dence		
1.	What three things provide over time?	evidence that organism	s have changed	
2.	Similar body structures the from a common ancestor	•	inherited	
3.	What similarities in deve opossums, chickens, sala ancestor?	•		
4.	Why do scientists classif birds, and mammals toge		iles,	

GRS 6.2

Inferring Species Relationships

species are, the more similar their DNA sequences.		
What have scientists learned about the elephant shrew based on DNA evidence?		

- 7. Circle the letter of each sentence that is true about evolutionary relationships of organisms.
 - **a.** DNA comparisons show that dogs are more similar to coyotes than to wolves.
 - **b.** Scientists had already made good conclusions about the evolutionary relationships of dogs, wolves, and coyotes based on their similar structures and development.
 - **c.** A branching tree shows how scientists think different groups of organisms are related.
 - **d.** DNA evidence shows that giant pandas are more closely related to raccoons than to bears.