

Name _____ Class _____ Date _____

7. Name the pair of organisms that appears to be equally related to humans on the basis of cytochrome c similarity. _____

8. Is it possible that the organisms in question 7 could be equally related to humans but not equally related to each other? Explain your answer. _____

9. Agree or disagree with the following statement. "Fruit flies and humans have about the same evolutionary relationship to wheat." Explain your answer. _____

Critical Thinking and Application

1. There is a difference of only one amino acid in one chain of the hemoglobin of humans and gorillas. What might have caused this difference? _____

2. If the amino acid sequences in the proteins of two organisms are similar, why will their DNA also be similar? _____

