

## **ADAPTATION INTRODUCTION**

1.	Randomly choose one adaptation card from the set of cards.	
2.	Think about the question on the card. In 3-4 sentences, write down how or why your animal or plant this feature. Include in your explanation below why you think this structure might help this animal or plant function in its environment.	
	plant function in its environment.	
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3.	Share your thoughts with one or two classmates.  a. Do you agree or disagree with your classmates' thinking?	
	<ul><li>b. What questions do you have about your or your partner's animal's adaptations or adaptation</li></ul>	ons in
	general?	
	c. What information would help you better evaluate their thinking?	

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Figure 1: Fossil Record of Giraffe

Ma = millions of years ago

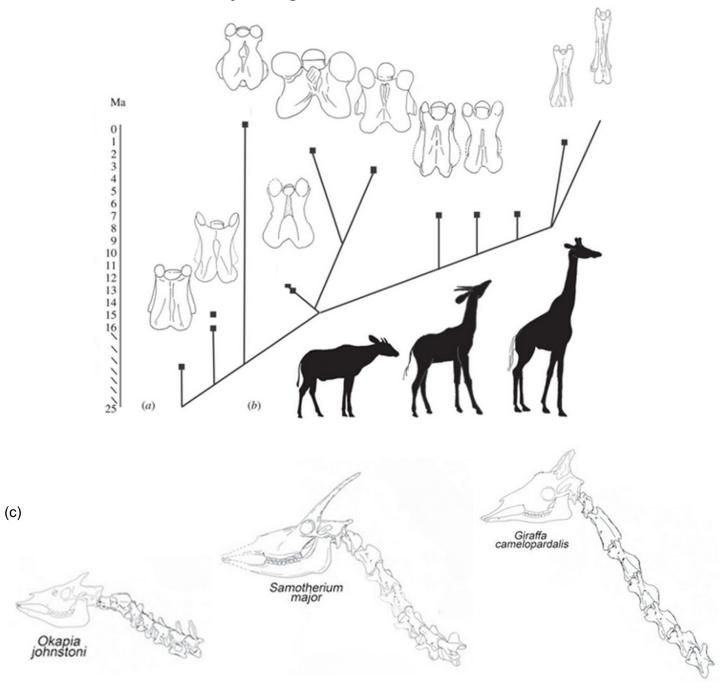


Figure from Danowitz, Vasilyev, Kortlandt, and Solounias. 2015. Fossil evidence and stages of elongation of the *Giraffa camelopardalis* neck. *Royal Society Open Science* 2(10): 150393. doi:10.1098/rsos.150393



4.	neck by johnst is shown a.	bove data shows a fossil record of a giraffe. The image shows how their vertebrae (back an cones) have changed (adapted) over time. The oldest giraffe ancestor species called <i>Okapia oni</i> is shown at the left of part c, and the most recent giraffe species called <i>Giraffa camelopia</i> wn on the right of part c.  When you analyze the data in these images, what parts of the giraffes' neck stayed the sa and what parts changed? Write your observations in the box provided.  How does the size of vertebrae in the neck relate to the overall proportion of the body? Write your observations in the box provided.	a ardalis	
5.	a. b.	re one or more of the resources provided by your teacher to answer this question.  How does the structure of the modern giraffe neck shape provide advantages or disadvan to how the animal lives and functions?  How do you think the changes over time in the giraffes' necks have affected a giraffe's abi survive?  It explanations 5a and 5b below. Be sure to include evidence to back up the explanations!	shape provide advantages or disadvantages fes' necks have affected a giraffe's ability to	

