

Use the following data to estimate how big each of the dinosaurs was in terms of cars or school buses. Circle the right answer.

A car is about 15 feet long, and a bus is about 40 feet long. Example: Supersaurus (140 feet long).
Was longer than: 3 buses or 3 cars.

Circle the right answer.

DINOSAUR	LENGTH	HOW BIG WAS THAT DINOSAUR?			
		(A car is about 15 feet long; a school bus is about 40 feet long)			
Argentinosaurus	130 feet	Was a bit longer than:	3 CARS	or	3 BUSES
Diplodocus or Apatosaurus	90 feet	Was about as long as:	2 CARS	or	2 BUSES
T. rex	40 feet	Was about as long as	1 CAR	or	1 BUS
Triceratops or Maiasaura or Parasaurolophus	30 feet	Was about as long as:	2 CARS	or	2 BUSES
Stegosaurus	25 feet	Was a bit shorter than:	2 CARS	or	2 BUSES
Utahraptor	20 feet	Was about:	half as long as a CAR	or	half as long as a BUS.
Oviraptor or Velociraptor	6 feet	Was about:	half as long as a CAR	or	half as long as a BUS.

Name _____ Period _____ Due _____

Dino Adaptations

K	W	L

Vocabulary: Adaptation, Skeleton, Skull, Generation, and Survival

Questions:

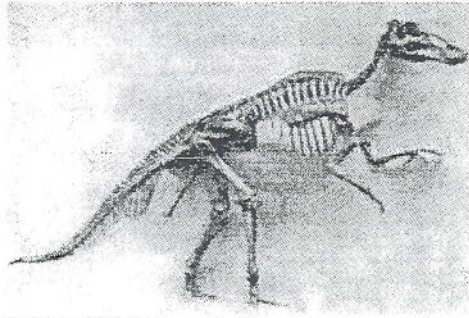
1. Define adaptation: (Word Meaning)
2. What do you think, "Adapt or Die --The Dinosaur" might mean? (Evaluative)

ADAPTATION

Directions: Read and Answer Questions

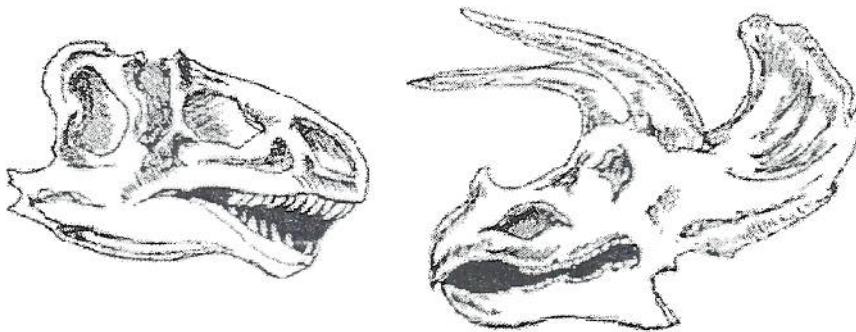
Physical Adaptation

We can see some of the results of physical adaptation by comparing the skeletons of different animals. The skeletons of most land animals have the same basic parts: a spine (which may include a tail), ribs, four limbs, and a skull. The number and relative placement of different bones is often similar in different animals, but the shape and use of a particular bone may be quite different.



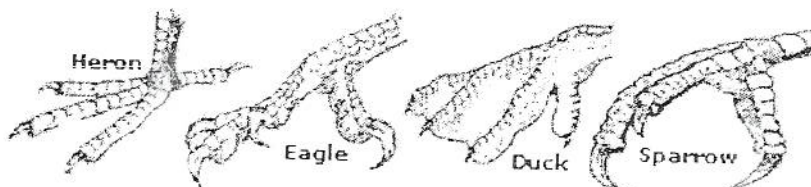
Trachodon skeleton.

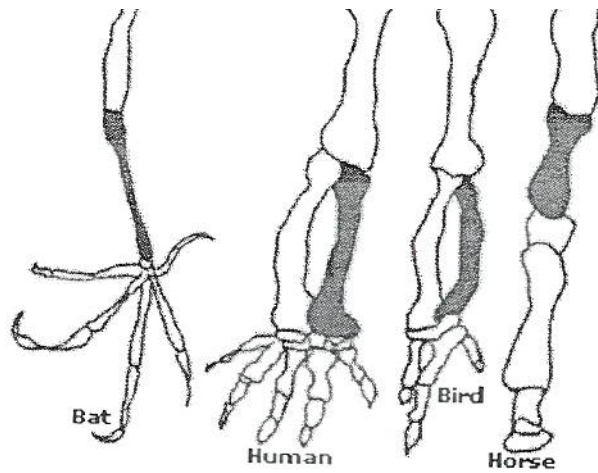
Look at the teeth in the two dinosaur skulls below. One set of teeth is adapted to tear off chunks of flesh, while the other is adapted to grind up thick vegetation before swallowing. Can you figure out which is which?



Left: Ceratosaurus skull. Right: Triceratops skull.

Compare the four bird feet shown below. Each is adapted to help its owner survive in a particular physical environment. Can you determine what special functions each of these feet is adapted to perform?





The drawing above shows the bones in the forelimbs of four different animals: a bat's arm, a human's arm, a bird's wing, and a horse's foreleg. All four of these animals are descended from a common four-limbed ancestor that lived hundreds of millions of years ago, so the number and placement of the bones are similar in each forelimb. However, because of changing conditions over time, the shapes of the bones have adapted over many generations to perform the function needed by each animal for its survival.

Questions:

1. The basis skeleton parts of most land animal include:(Literal)

Spine, _____, _____ and _____.

2. Draw the teeth of a meat eating dinosaur: (Locate the Information)

3. Draw the teeth of a plant eating dinosaur: (Locate the Information)

4. Match up the bird feet with their adaptation: (Inferential)

A. Heron _____

B. Eagle _____

C. Duck _____

D. Sparrow _____

Choices: Swimming, Catching Fish, Hanging on Limb, Wading

5. The shapes of bones have _____ over many generations to perform the function needed by each animal for its _____.
(Literal/Word Meaning)

Google Search Stories: Dinosaurs, Fossils, Adaptations oh My!



What is a Google Search Story?

Google Search Story allows you to create your own story through Google web searches by writing your story, adding music, previewing, and uploading to YouTube. You can choose searches by web, blog, images, maps, news, product searches, and books. Lots and lots of options!

How to make your search story:

1. Select one of the main topics we have examined in class: dinosaurs, fossils, adaptations.
2. Practice using a variety of search terms using different search types (web, images, blog, map, etc.)
3. Use the preview to see what each term will look like.
4. Create a story that demonstrates what you have learned for your selected topic.
5. Please keep all content at a G rating. Search Stories that are not appropriate will receive a zero.
6. Share your story!

Search Term:	Using:
1.	
2.	
3.	
4.	
5.	
6.	
7.	

After creating your story, answer the following questions:

1. Why did you select your topic?
2. How does your story demonstrate your learning of the topic?
3. What was challenging about the assignment?

What if the dinosaurs hadn't gone extinct at the end of the cretaceous, 65 million years ago, what do you think they would look like now? Draw what you think they would look like below.