

Dinosaurs

- Millions of years ago, long before there were any people, there were dinosaurs.
- The largest dinosaurs were over 30 meters long and up to 15 meters tall.
- The smallest dinosaurs were about the size of a chicken!



- Dinosaurs were reptiles and most hatched from eggs.
- No one knows for sure how dinosaurs sounded, or what colour they were. Can you think why this is?



- Some dinosaurs were plant-eaters, known as herbivores.

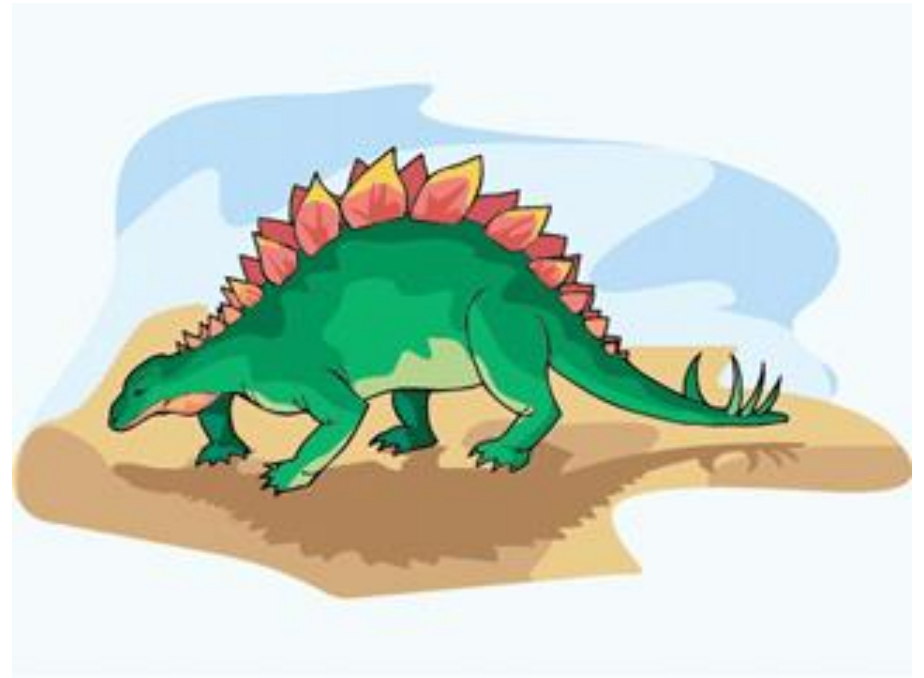


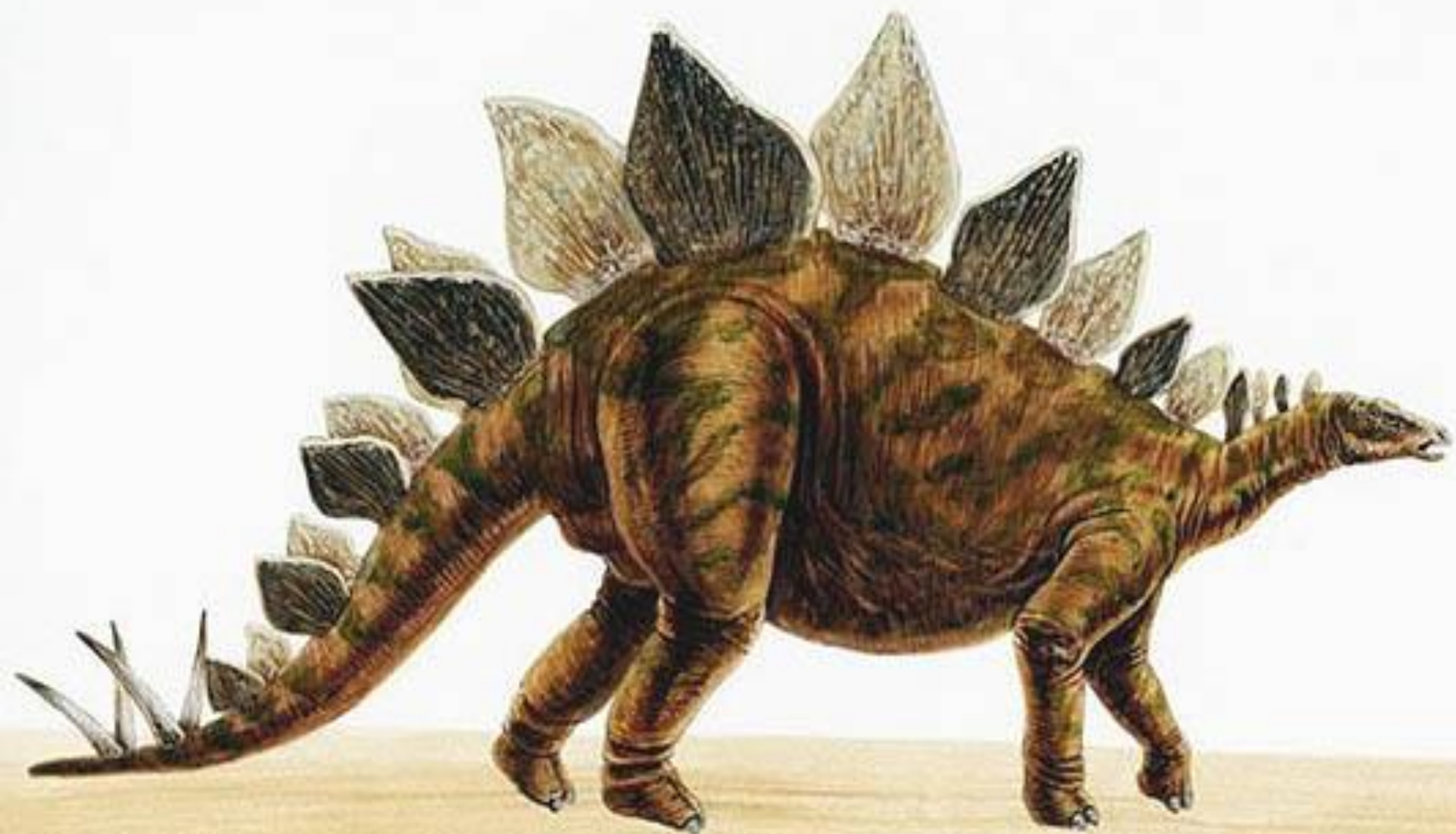
- Some dinosaurs were meat-eaters, known as carnivores.



Stegosaurus

- Herbivore
- Very small head with a tiny brain
- Large, flat, bony, triangular plates along its back
- A heavy, spiked tail for protection,
- Walked on four legs





Stegosaurus

2 rows of bony plates
that were embedded in
its neck, back and tail

Pairs of
spikes at the
end of the tail

Small head
and tiny brain

Long, stiff tail

Hind legs
longer than
front legs

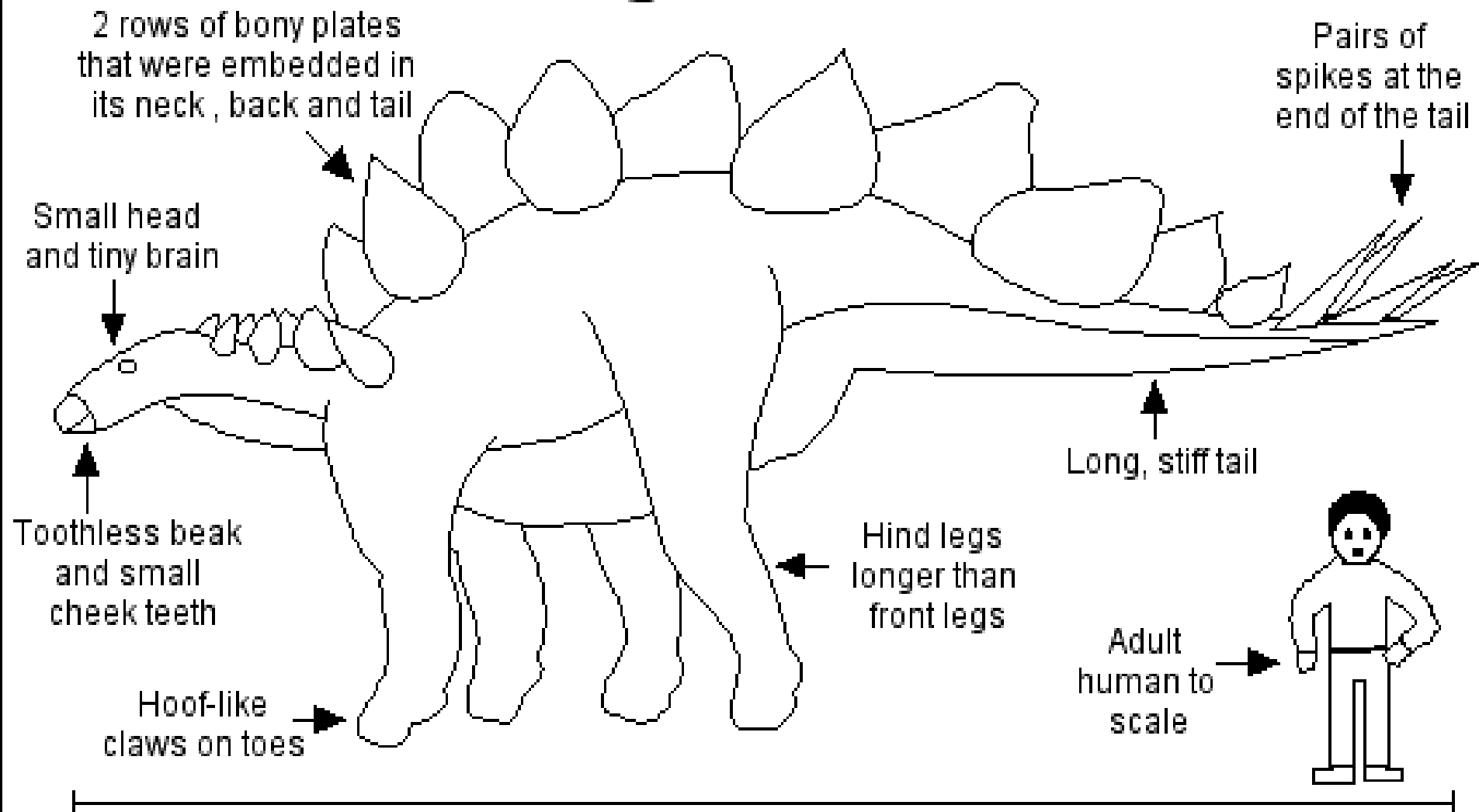
Adult
human to
scale

Toothless beak
and small
cheek teeth

Hoof-like
claws on toes

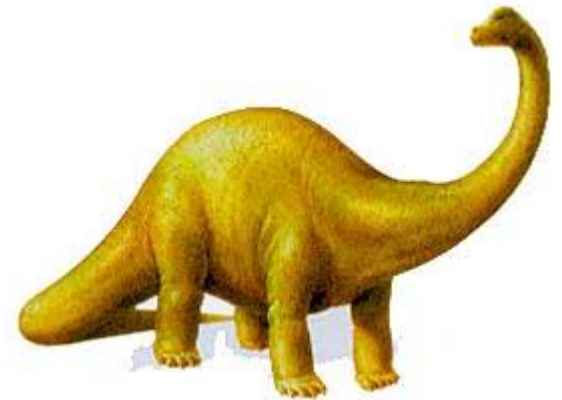
26 to 30 feet (8-9 m) long

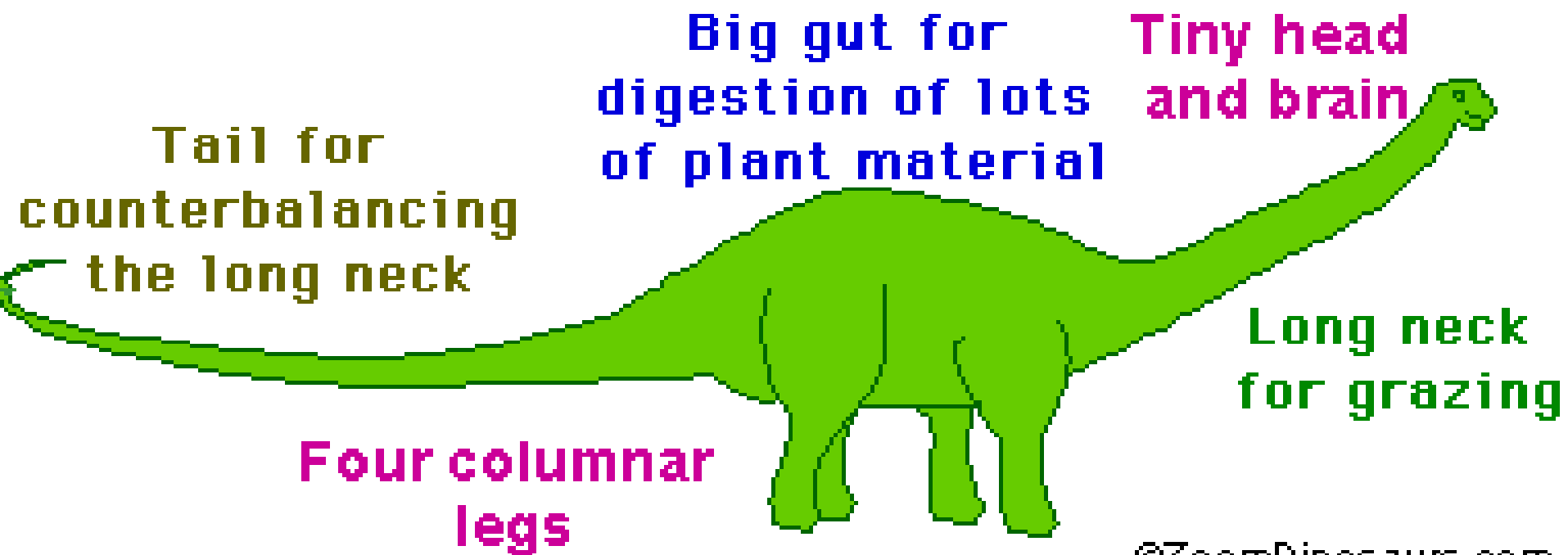
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Diplodocus

- Diplodocus was a long-necked giant, measuring about 27m long with a 8 m long neck and a 14m long tail.
- It was one of the longest land animals ever. Its nostrils were at the top of its head and it had teeth only in the front of the jaws.
- It may have used its whip-like tail for protection.







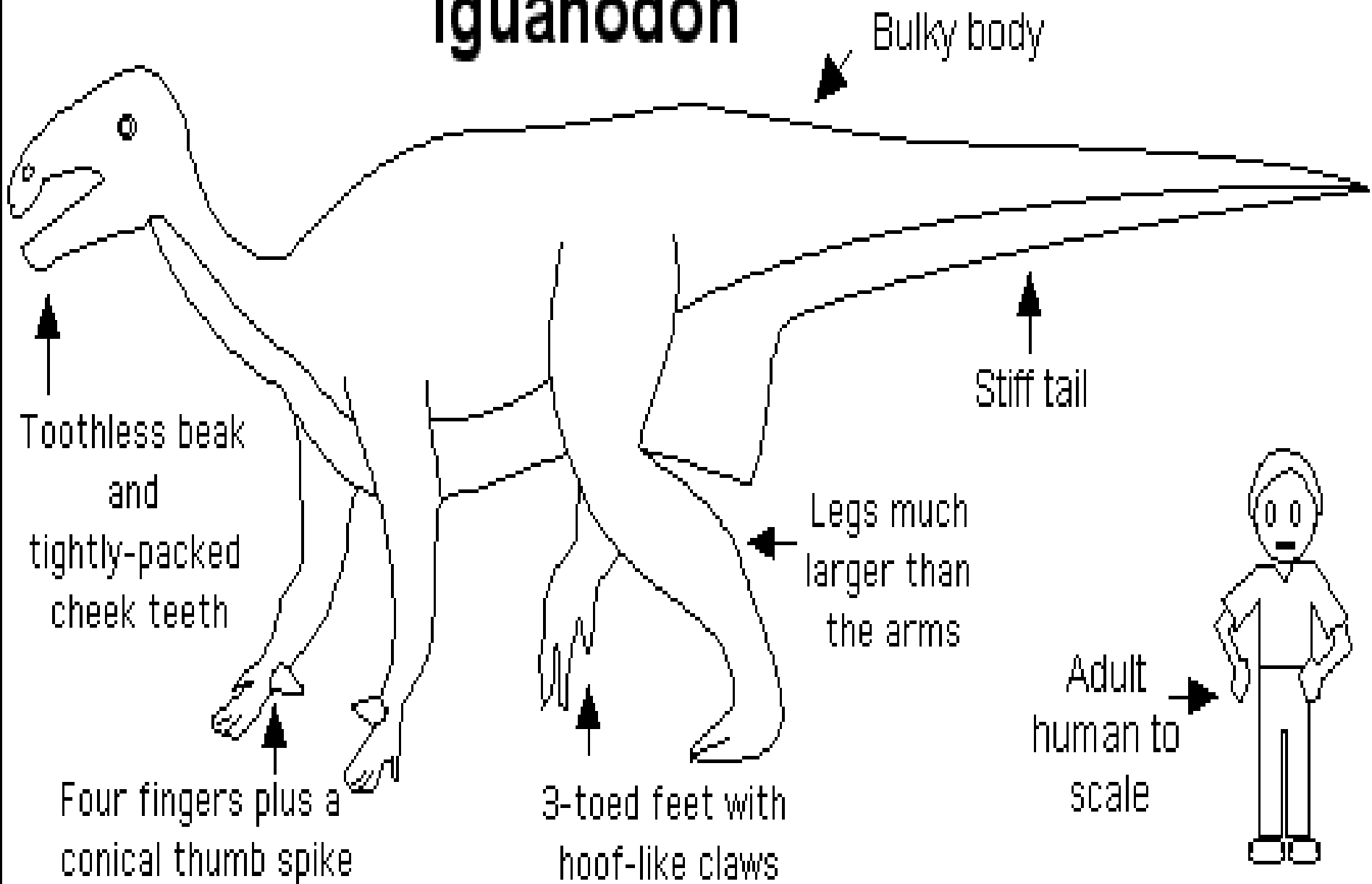


Iguanodon

- Iguanodon was a herbivore, that had a spike on each thumb.
- The spike may have been used to defend itself or to help it find food.
- Iguanodons probably lived in herds.
- Iguanodon could run on two legs or walk on four.

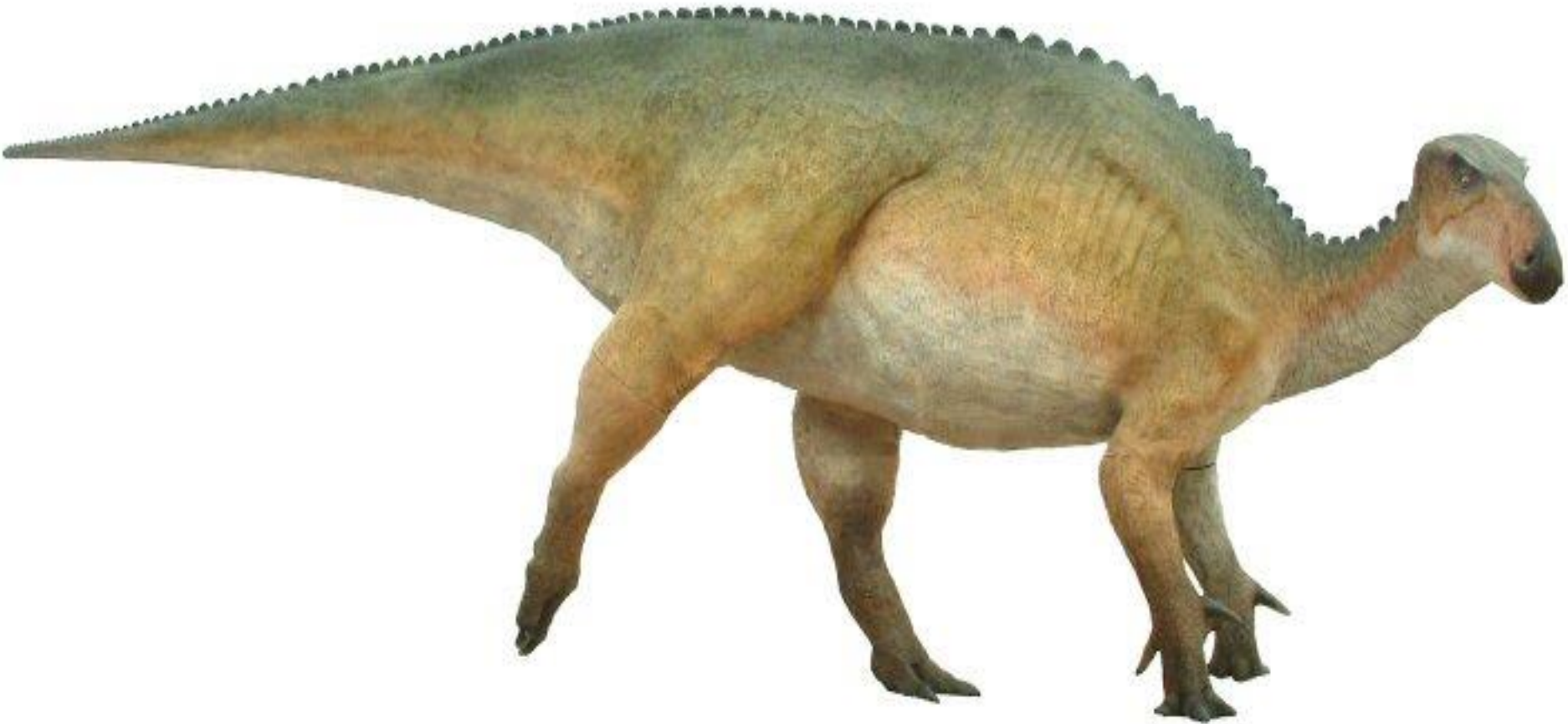


Iguanodon



30 feet (9.3 m) long

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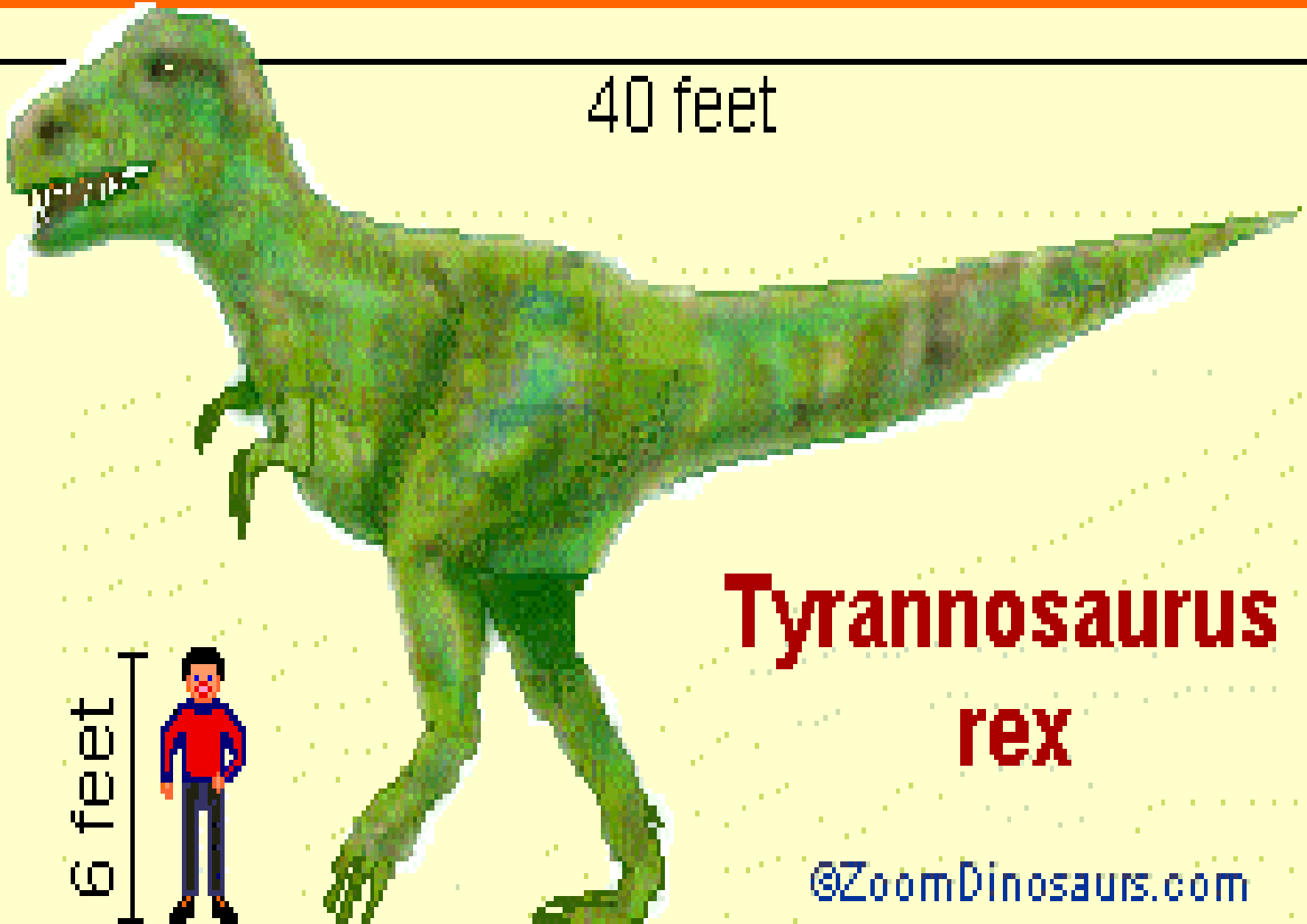


Tyrannosaurus Rex

- The T-Rex was a huge carnivore
- They walked on two legs and had two tiny arms
- Each foot had three large toes, all with claws
- T-Rex had a thin, pointed tail that helped it balance and allowed quick turns while running
- T-Rex had sharp pointy teeth and massive jaws







40 feet

Tyrannosaurus rex

6 feet

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Triceratops

- Triceratops was a herbivore
- It had no teeth, but a hard beak like a parrot
- Triceratops probably charged into its enemy like the modern-day rhinoceros does.
- Triceratops walked on four short, strong legs



Triceratops

Forwards-pointing
horns up to 3 ft
(90 cm) long

Large, bony
frill with
points on
edges ➤

Bulky,
barrel-shaped
body

Short tail

Short, wide
snout horn

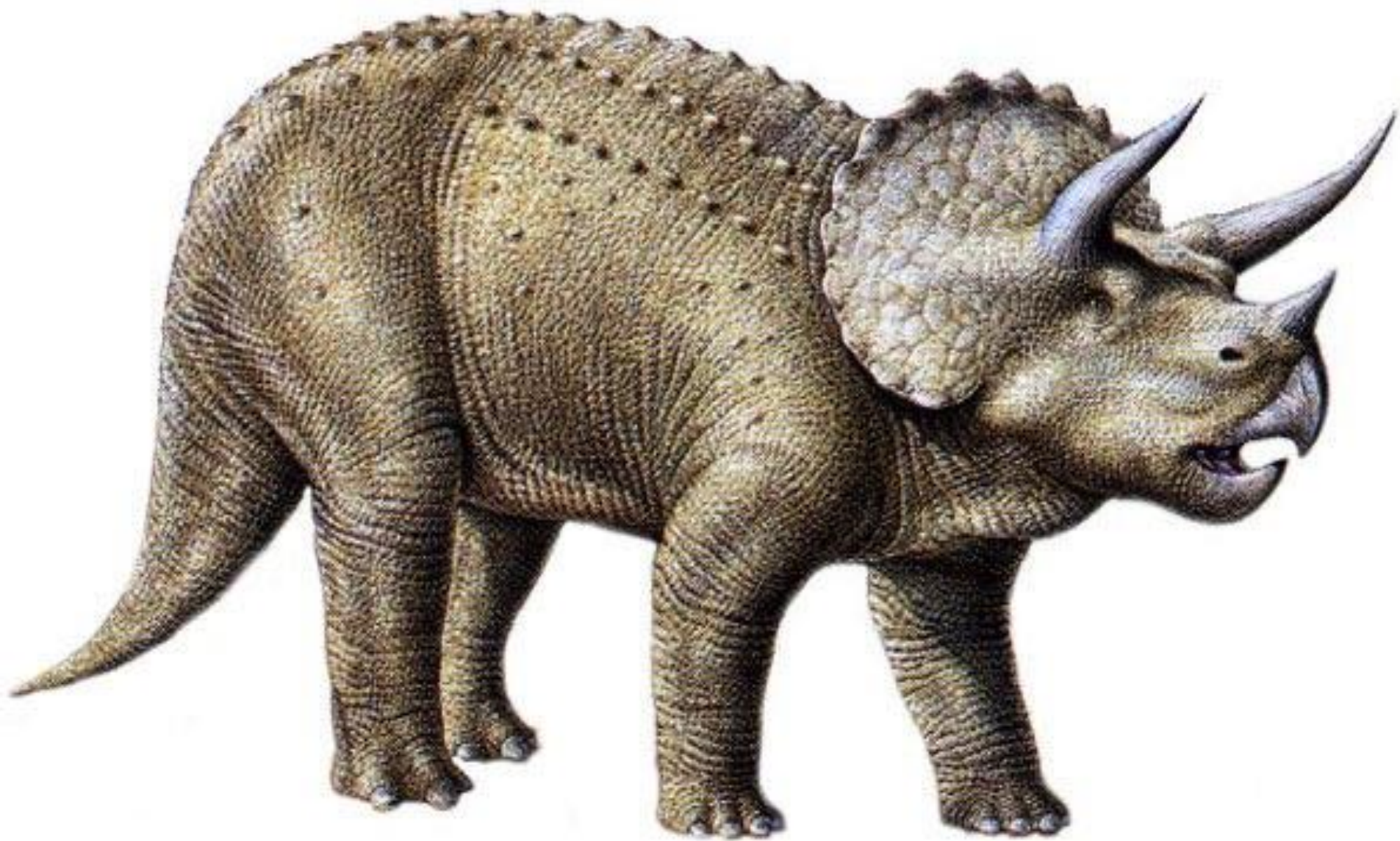
Toothless
beak

Cheek
protuberance

Short
legs

5-toed
feet

25 feet (8 m) long

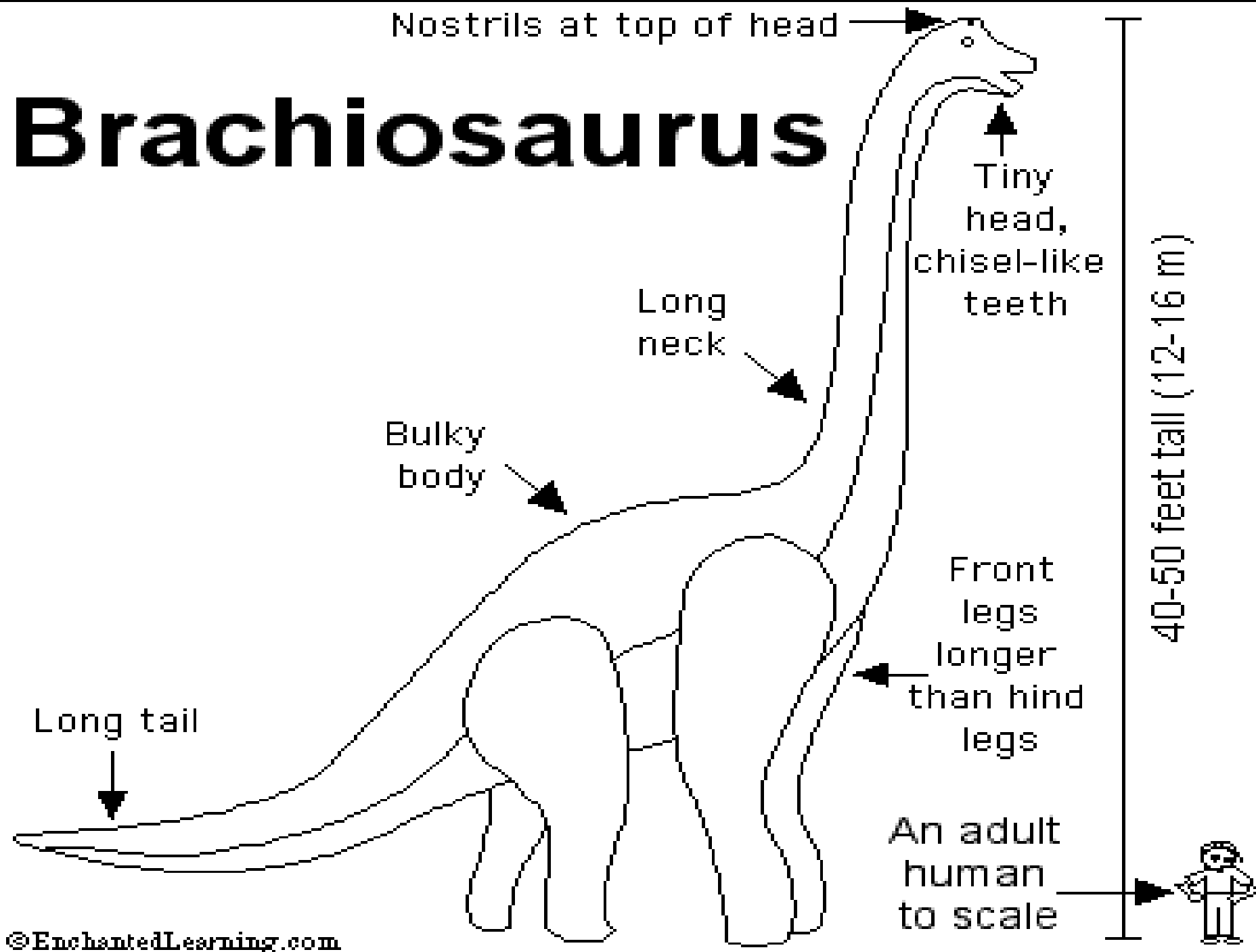


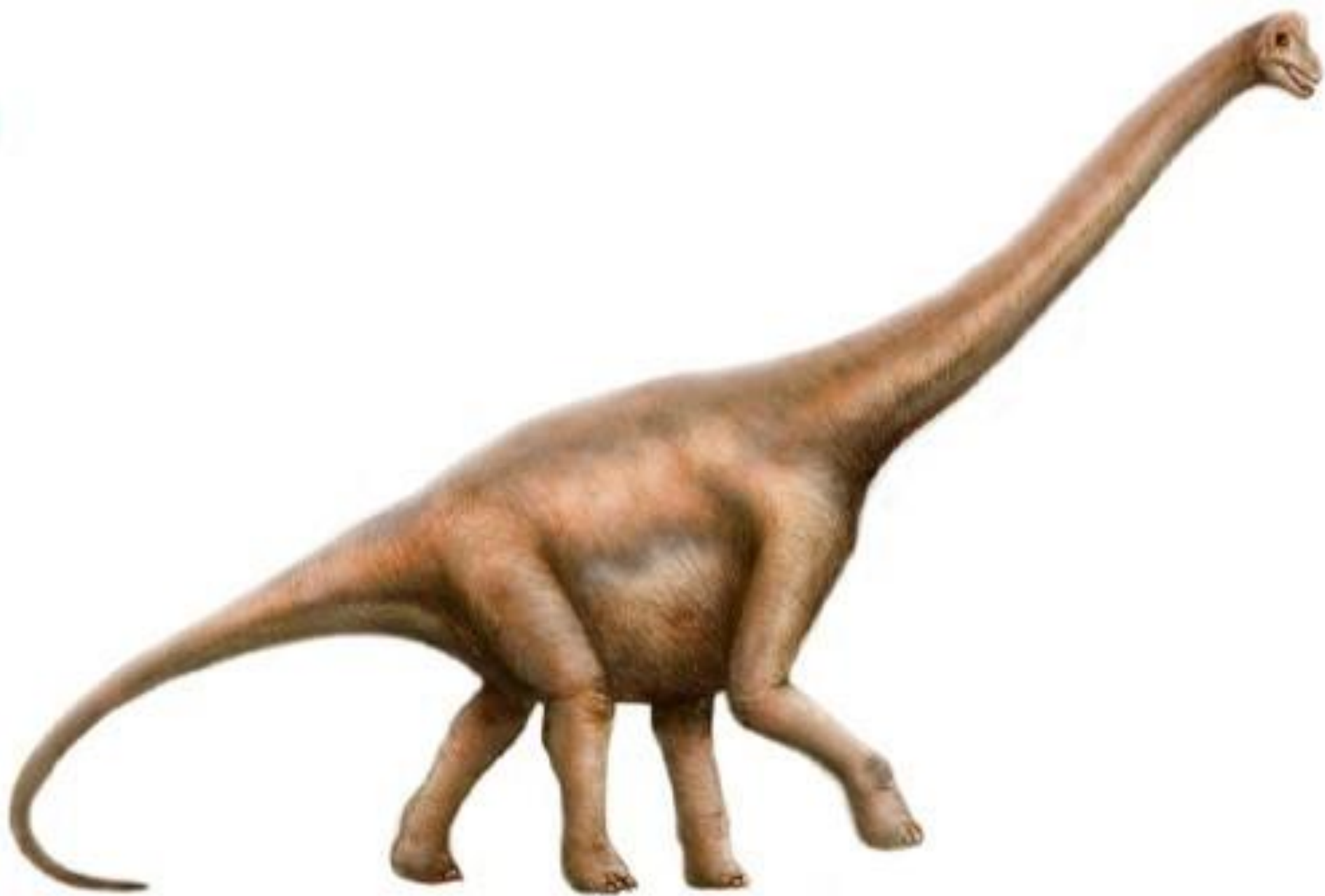
Brachiosaurus

- Brachiosaurus was a herbivore.
- It was one of the tallest and largest dinosaurs. It had a long neck and a small head.
- Brachiosaurus walked on four legs.
- They may have lived for 100 years.
- They were never eaten by another dinosaur.
Can you think of a reason why?



Brachiosaurus







People were not alive
when dinosaurs were
around, so how do you
think we know all
about dinosaurs?

Fossils! Lots and lots of fossils!







Archaeologists found some dinosaur claws.
They were very sharp so that the dinosaurs
could kill their prey. These claws belonged
to a meat eating dinosaur.



These are fossils of eggs laid
by a Hadrosaurus.



This painting shows baby Nothosaurs trying to escape from Ticinosuchus. Scientists think that although Nothosaurs laid their eggs on land, when the babies hatched, they went back into the water and were then safe from land living dinosaurs.



This picture shows smaller dinosaurs
hiding from the Hererasaurus.



Can you see the dinosaur that looks like a crocodile?



What does this fossil look like?



This is the kind of environment
the dinosaurs lived in.



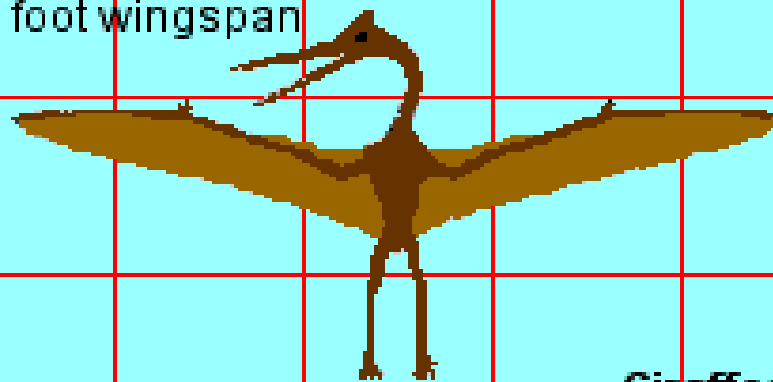
Fossil of a plant



Cockroaches were alive during the time that dinosaurs walked the earth. They are not as big as they were then.

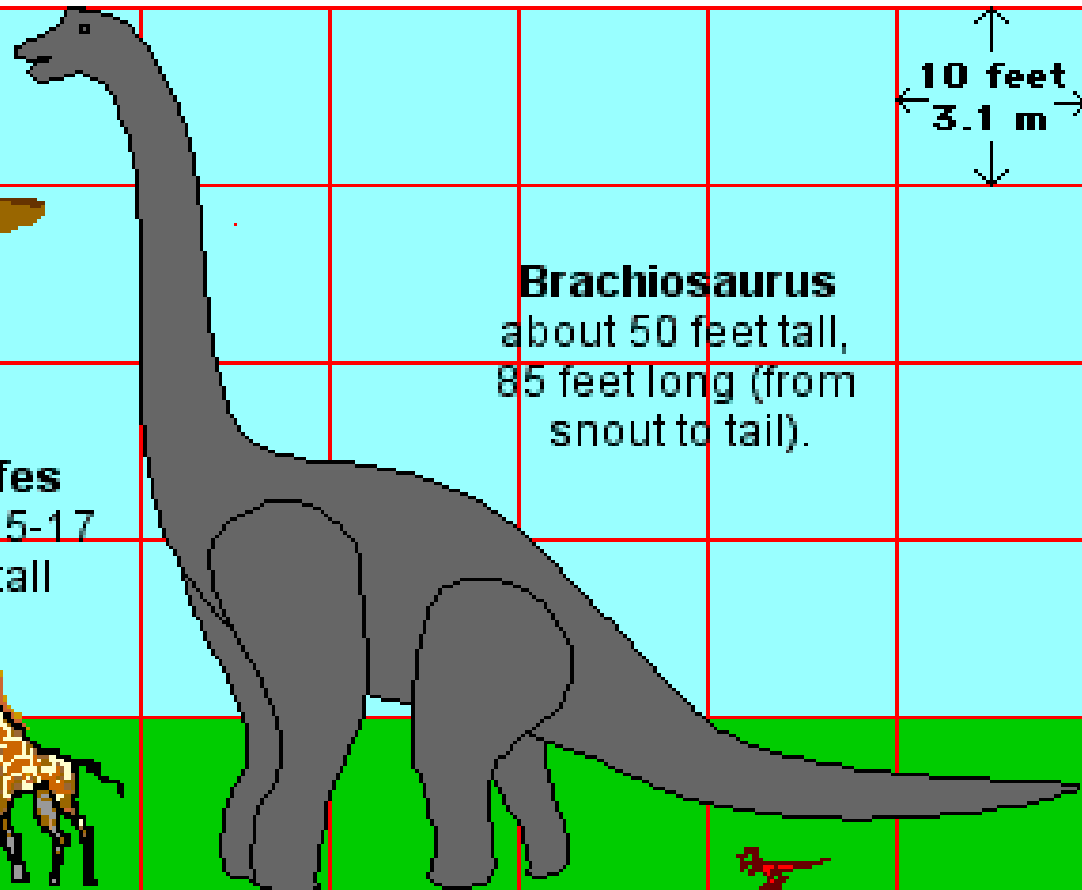


Quetzalcoatlus
40 foot wingspan

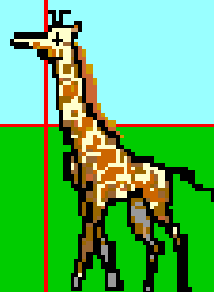


10 feet
3.1 m

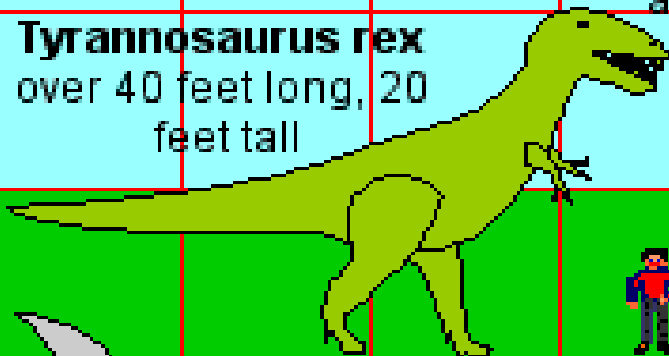
Brachiosaurus
about 50 feet tall,
85 feet long (from
snout to tail).



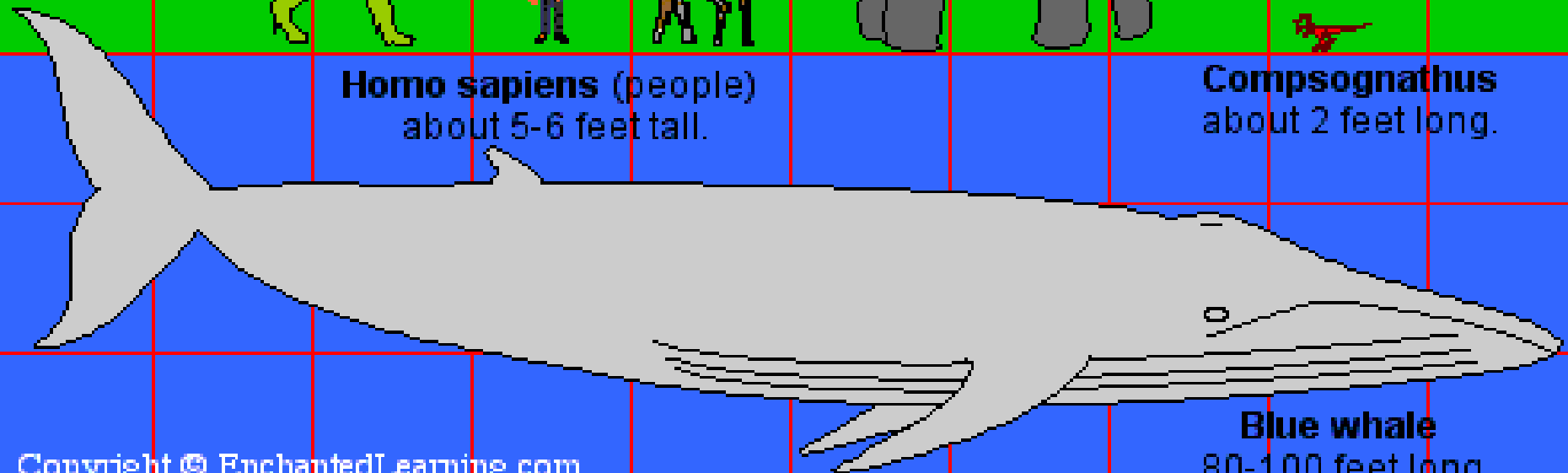
Giraffes
about 15-17
feet tall



Tyrannosaurus rex
over 40 feet long, 20
feet tall



Homo sapiens (people)
about 5-6 feet tall.



Compsognathus
about 2 feet long.

Blue whale
80-100 feet long

CHALLENGE!

Task 1: Complete the table on the next slide

Task 2: Include details for 2 brand new dinosaurs of your invention!

Task 3: Draw one of your dinosaurs and include all the information from the table to make a fact sheet / poster on your new dinosaur!

Dinosaur name	Herbivore / Carnivore?	Walks on 2 or 4 legs?	Size	Land, Air or Sea?	Special Features
Stegosaurus					
Diplodocus					
Iguanodon					
Tyrannosaurus Rex					
Triceratops					
Brachiosaurus					
New Dinosaur 1					
New Dinosaur 2					

- The dinosaurs all died out millions of years ago. We say they became EXTINCT.

- We don' t know why they died out.
- Some people think it was because of...

1. Asteroid collision
2. Volcanic activity
3. Climate change
4. Disease

What do you think?

Your next lesson is all about this topic!