THIS PASSPORT BELONGS TO

TEACHER

FOSSIL UNBOXING

Science SOLs

K.1 a b c f K.3 1.5 b 1.7 c 2.5 g j

3.1 3.4 3.5

With Special Thanks to:

Truist Foundation

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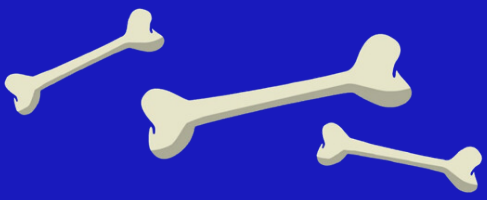

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Fossil Unboxing

Your Passport to:
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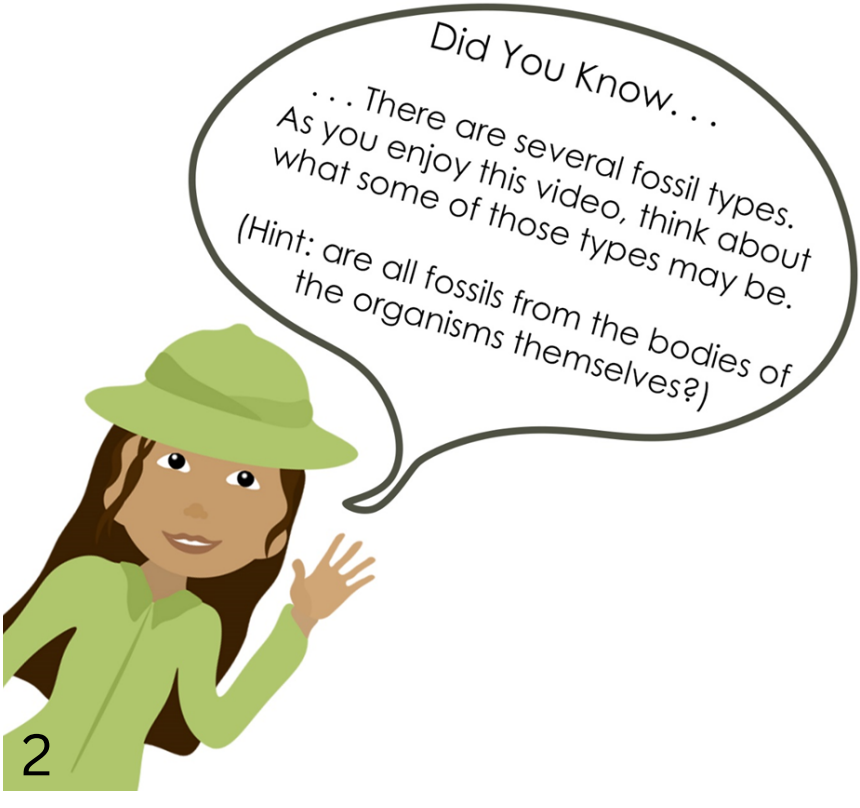
EXPLORATION!

Welcome to your Virtual Get Schooled Field Trip with:

SCIENCE MUSEUM of WESTERN VIRGINIA

Welcome to
The Science Museum of Western Virginia's
Discovery Boxes!

Fun With Fossils



Mystery Box #1

Look through the box below (don't flip the page yet!)
to peek at this item.
What do you think it is?

_____

It's a

T-Rex tooth

How can we tell what it used to eat from this fossil?

We can tell this tooth was used to eat meat because it is large and has a sharp point.

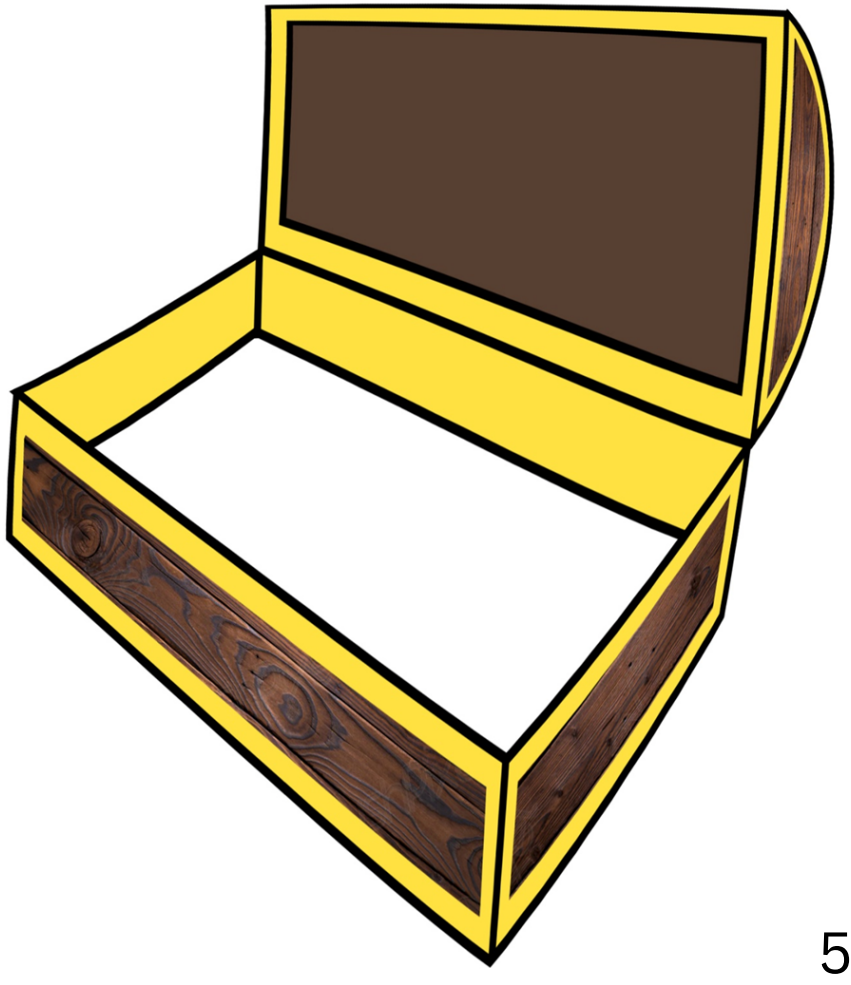
What else did you learn about this fossil?

We learned that the T-Rex tooth does not have a very deep or strong root system so it could come out easily.

Mystery Box #2

Look through the box below (don't flip the page yet!)
to peek at this item.
What do you think it is?

_____

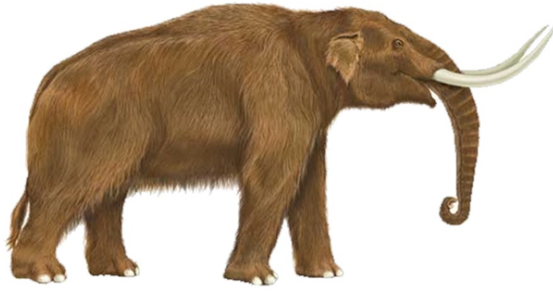


It's a

Mastodon molar

How can we tell what it used to eat from this fossil?

From this fossil we learned that its teeth had a very strong root system which indicated it was a plant eater.



Did You Hear it?

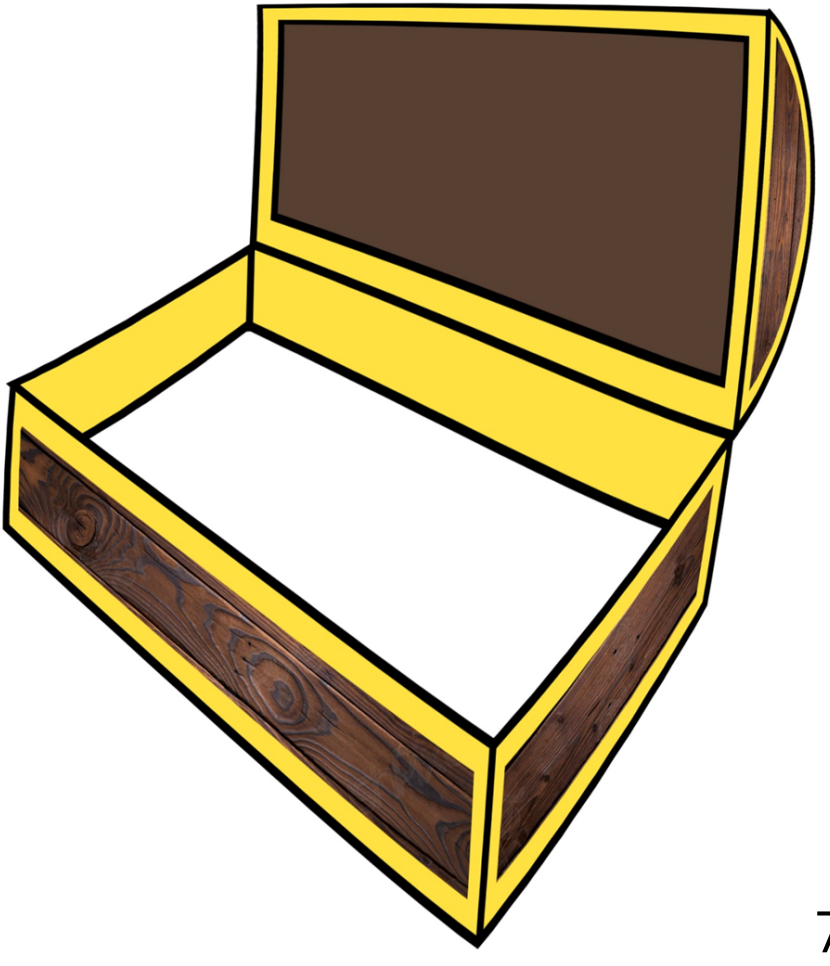
Health experts recommend that humans drink a half gallon of water each day.

Mastodons would drink 16-40 gallons of water each day!

Mystery Box #3

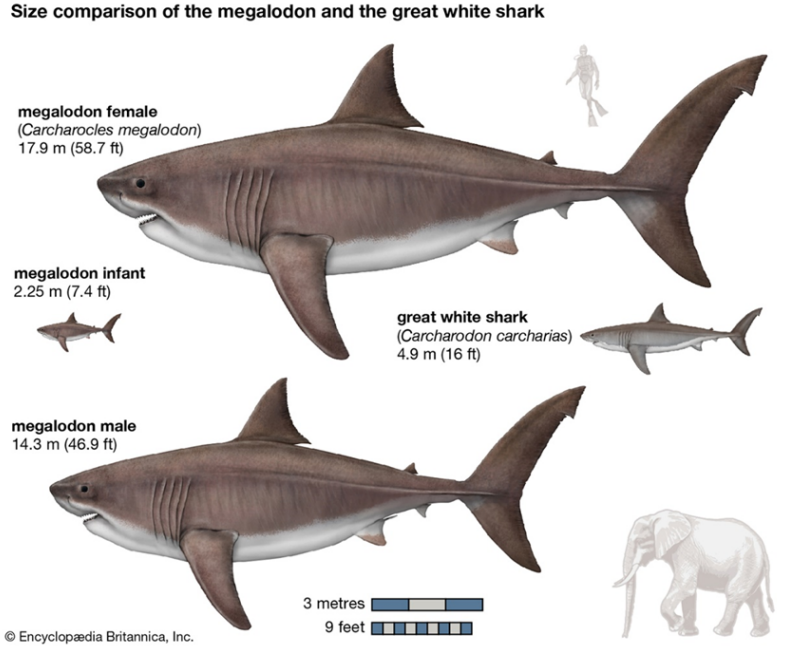
Look through the box below (don't flip the page yet!)
to peek at this item.
What do you think it is?

_____



It's a

Megalodon tooth



Did You Hear it?

How did megalodon teeth change over time?

The megalodon teeth changed over time by developing serrated edges.

Why do you think they went extinct?

The megalodon went extinct because they were unable to hunt enough food to sustain themselves.

Mystery Box #4

Look through the box below (don't flip the page yet!)
to peek at this item.
What do you think it is?

_____

This is a

Cownose Ray

Where was the one in this video found?

Chesapeake Bay

Did You Hear it?
What are these called?

teeth

Fill in the blanks with the information that you learned from the video to figure out what words you need to "dig up" in the word search below!

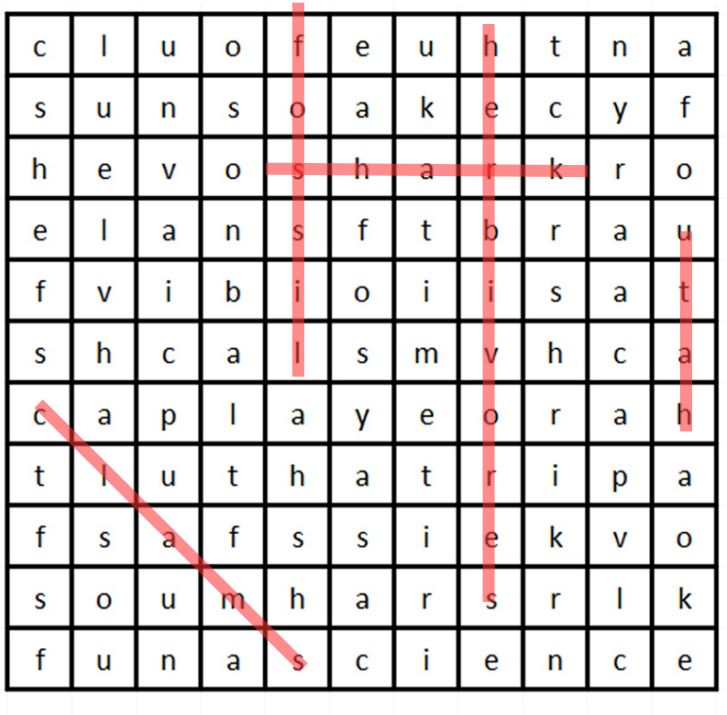
A _____fossil_____ is any preserved remains, impression, or trace of any once-living thing from a past geological age.
(from Wikipedia)

The T Rex tooth was found in what State? ____Utah____

Mastodons ate vegitation, this means they are called:
_____herbavores_____

A megalodon is a prehistoric _____shark_____.

Cownose rays enjoy eating _____clams_____ and oysters.



True Form

These types of fossils come from what their name suggests, the actual form of the creature. Parts of the body become replaced by minerals, and we call this petrification.

Trace

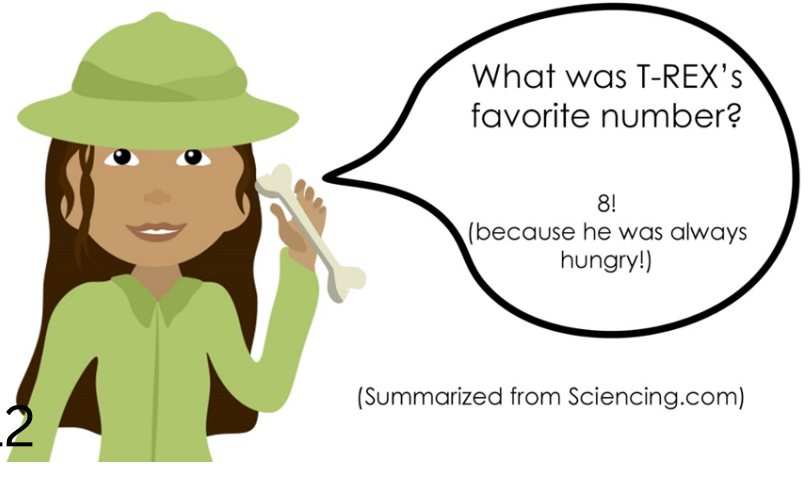
Have you ever heard an adult use this word in a sentence? Maybe they said something like, "Don't leave any trace of crumbs on the table." In this case it means that you shouldn't leave evidence that you had eaten something by leaving crumbs on the table, or traces of the food. It has to do with something you left, not from your actual body. This is similar to a trace fossil example except that their traces are from a long time ago. Examples are tracks, nests, dung and teethmarks.

Mold

No, not the icky stuff on old bread, but a mold of an organism. This is a hollow imprint left in rock or sediment. So it actually looks like a negative of the originial item. Examples can be from leaves, teeth and embryos.

Cast

This is similar to a mold but with an extra step. A mold is hollow, but if it gets filled up by minerals it will resemble the original organism or item again, this is a cast.



(Summarized from Sciencing.com)