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Dinosaurs

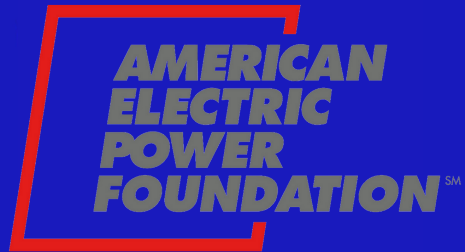
Science SOLs

K.10	K.7 a b	1.8 a	1.5 a	2.5	3.1 d	3.4
3.5	3.10 a c	LS11.b c d	LS13	ES9 A		

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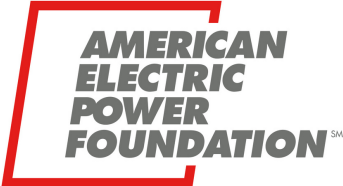


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DINOSAURS



Today you are going to travel back in time and become a

Paleontologist

_____ is the study of ancient life, from dinosaurs to prehistoric plants, mammals, fish, insects, fungi, and even microbes. Fossil evidence reveals how organisms changed over time and what our planet was like long ago.



The history of the Earth is broken into time spans marked by various events. These time spans are called Eras. There are 3 primary Eras of: Paleozoic Era, Mesozoic Era, and Cenozoic Era.



In the video we will travel back to the Mesozoic Era and talk about 4 time periods of Dinosaurs. Can you unscramble the time periods below?

asctisri _____

tcerscoauec tlea _____

sacisjur _____

ylare rscetcauoe _____

The world we live in is always changing. Scientists believe that the earth use to be one large land mass and one large ocean. This land mass was called

_____.

Color the pictures below....



During the time the earth was one large land mass, this gave plenty of space (habitat) for ocean animals to evolve.

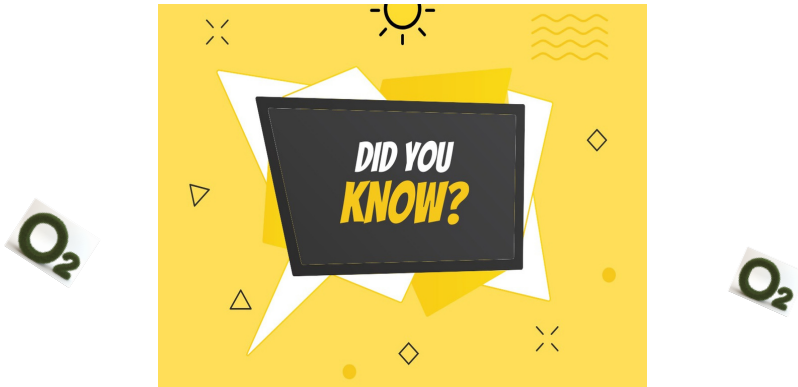


For example, the horseshoe crab has existed for 445 million years, making it the only living fossil in existence today.



Did you catch that.....

_____ provide information about living systems that were on the Earth years ago.



Did you know that you can look at fossils and determine lots of things?

Scientists have discovered that there was more oxygen available in the atmosphere by looking at fossils.

What are 3 things you think we might learn from fossils?

1. _____
2. _____
3. _____

TRIASSIC PERIOD

Share a fun fact you heard about the Herrerasaurus:

Meat Eater dinosaurs = _____

What is it called when fossils deteriorate over time because of wind, rain, rivers, chemicals and other natural variables? _____

LATE JURASSIC PERIOD

Share a fun fact you heard about the Stegosaurus:

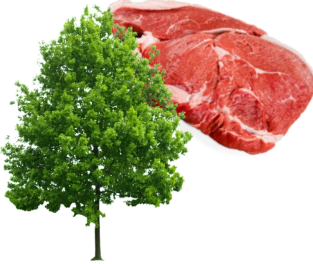
The Jurassic period is when birds first started to evolve. This period also allowed for more diversity in dinosaurs.

EARLY CRETACEOUS PERIOD

Share a fun fact you heard about the Tenontosaurus:

An _____ was one of the very first dinosaur to be discovered.

Animals are classified into groups based on many characteristics. One of the ways they are grouped is by what they eat. Animals are either Herbivores, Carnivores or Omnivores. Can you draw a line to what the group eats?



Herbivores	Both
Carnivores	Meat
Ominvores	Plants

Do you remember what she said....

Lex said that for the most part, which means there are some exceptions, dinosaurs that walk on two legs eat _____ and ones that walk on all four eat _____.

In the food chain animals are either a **predator** or they are **prey**.

A _____ is one that lives mostly by killing and eating other animals.

_____ is an animal that is hunted and killed by another animal for food.

Can you write a sentence about an animal that would be a predator and one that is prey?

Share a fun fact you heard about the Deinonychus:

THE LATE CRETACEOUS PERIOD

The Late Cretaceous Period is when Scientist believe the dinosaurs became extinct.

Share a fun fact you heard about the Parasaurolophus:

TRICERATOPS & T-REX FUN FACTS:

Triceratops had strong horns? True or False

Triceratops had _____teeth.

T-Rex was a fast runner? True or False

T-Rex weighed one ton? True or False

T-Rex teeth were the size of _____.

He had the strongest bite force of any animal ever?

True or False

W B Q Z X N C D E S H
 N I M A R C Z R R W U
 W V N O E A E A O P Q
 Y B H G P R T G V J J
 K L E G S N A O I Z X
 K T S F T I L N B I O
 M C M H L V P F R Z V
 U M E W S O F L E S S
 D I B N L R O Y H T C
 S I H G G E P H G Q P

CARNIVORE

HERBIVORE

WINGS

EGG

NECK

PLATE

LEGS

DRAGONFLY

HORN



All living things have a need for adequate food, water, shelter, air, and space to survive. When these things are no longer available, the species will not exist. When this occurs, it is called

_____.

Dinosaurs no longer exist so they are

_____.

Some Scientists believe that a _____ hit the earth and caused the Dinosaurs to become extinct.

This event is known as the _____ or _____ Event. During this event it is believed that a meteor hit the earth.

The crater believed to be from the impact was discovered in 1991. Can you draw on the map where the crater was found?



Can you list some outcomes from the impact that made it impossible for dinosaurs to continue living.

_____	_____
_____	_____
_____	_____
_____	_____

Put your thinking caps on.....

Can you answer yes or no if these other animals are extinct?

Passenger Pigeon	yes	or	no
Gorilla	yes	or	no
Rhino	yes	or	no
Tasmanian Tiger	yes	or	no
Dodo Bird	yes	or	no
Orangutan	yes	or	no
Woolly Mammoth	yes	or	no
Turtle	yes	or	no
Elephant	yes	or	no
Sabre-tooth cat	yes	or	no

Lex Shared with us that her favorite dinosaur is a Sinosauropteryx.

Who is your favorite dinosaur? Draw a picture and write a few sentences about something you know or learned about that dinosaur.