

Science Virtual Learning

7th Grade Science

Review of Fossils



May 12, 2020





7th Grade Science

Lesson: May 12, 2020

Objective/Learning Target:

I can differentiate between different types of fossils.

Next watch this Video Over: [Learn about Fossils](#) & [Fossils 101](#)

Fossils EdPuzzle

Class Code (in case you need it):

icesoje





Some Key Points to Remember...(Write these down on a piece of paper to use for today's practice- you may shorten or paraphrase your notes.)

- Fossils are the preserved remains or traces of living things.
- Most fossils form when living things die & are buried by sediments.
- The sediments slowly harden into rock and preserve the shapes of the organisms.
- Sedimentary rock is the type of rock that is made of hardened sediment.



Key Points to Remember....

- A mold is a hollow area in sediment the shape of an organism or part of an organism
- A cast is a solid copy of the shape of an organism. It is the opposite of a mold.
- Fossils in which minerals replace all or part of organism = Petrified fossils
 - "Petrified" means turned into stone.
- Carbon film = An extremely thin coating of carbon on rock.
 - Usually the delicate remains of plants or insects



Key Points to Remember....

- Trace Fossils = Provide evidence of activities of ancient organisms
 - Ex: Footprints
 - Lots of information can be gathered from trace fossils--> Animal size and behavior, 2 or 4 legs, part of a group or not, size or shape of organism, how it got food.
- Preserved Remains = Organisms trapped in tar, Organisms preserved in Amber, Freezing
 - Insects in amber, Frozen Woolly mammoths

Practice (Write this on your own piece of paper)-Use the Information on Slide 5 to help identify each type of Fossil



#1



#2



#3



#4



#5



#6

1. Petrified Fossil
2. Cast
3. Carbon Film
4. Trace Fossil
5. Mold
6. Preserved Remains



More Practice- Answer these questions on your own piece of paper. Use the notes you took and the videos on slide 2 to help you

1 A dinosaurologist is a scientist who studies fossils

True / False

2 What is a fossil?

- a) Preserved animal remains
- b) Any stone
- c) Organism preserved over 10,000 years ago

3 Many fossils form when the organism's remains are buried in...

- a) rocks
- b) shells
- c) sediments

Answer Key:

1. False- A Paleontologist is a Scientist who studies fossils

2. C

3. C



More Practice- Try your luck at this Fossil game!

Super Fossil Finder

