



Grade 2, Pre-Visit Activity, "Fascinating Fossils"

Name: _____

Fascinating Fossils

Vocabulary Words

Instructions: Review the vocabulary words, and then complete the activity on the other side of this worksheet.

- 1) **Fossils** – Remains of ancient life that have been turned to stone
- 2) **Body Fossil** – Actual parts of plants and animals that have been turned to stone (i.e. bone, shells, leaves)
- 3) **Coprolite** – Fossilized dinosaur dung (scat)
- 4) **Fossilization** – Process by which the remains of ancient living things are turned to rock
- 5) **Paleontologist** – A scientist who studies fossils and ancient life
- 6) **Sedimentary Rock** – Rock made of layers of tightly packed sand and clay
- 7) **Sandstone** – A type of sedimentary rock that is made of sand
- 8) **Trace Fossil** – A fossilized sign that a plant or animal once lived in an area (i.e. footprints, coprolite)
- 9) **Porous** – Full of tiny holes that water, air, and light can pass through
- 10) **Mineralization** – to convert into a mineral substance; to fill with a mineral substance



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Name: _____

Instructions: Fill in the blanks, using "Fascinating Fossils" vocabulary words.

Jane, a famous p _____ t,
was hiking in the Colorado mountains searching for f _____,
which are remains of ancient life that have turned to stone. All of a sudden the
ground shook beneath her. Jane ran over a hill and saw that there had been a
huge landslide. She went over to look at the piles of rocks and saw layers of
s _____ s _____, a type of sedimentary rock. Fossils are
found in sandstone, so Jane was excited to search through the rocks! Just as she
began to dig, she found fossilized bones. The bones had turned to stone through
a process called s _____ s _____. Jane
saw that the fossils belonged to an
Apatosaurus. These bones are
examples of b _____
_____ i _____ l _____, which
are fossilized parts of plants and animals. Jane hiked further up the mountain
and found fossilized dinosaur dung, called c _____.
She also found a huge footprint, which is an example of a t _____
f _____. Jane carefully removed the fossils from the rocks
and donated them to a museum.



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Grade 2, In-Class Activity, "Fascinating Fossils"

Name: _____

Instructions: Use this answer sheet to identify the objects at each of the stations. Circle the correct answers in A and B. For station C, fill in the blanks with the correct answer. At station D, draw a picture of your favorite fossil.

FOSSIL QUEST

A. Circle the correct answer!

This fossil is:

- a plant
- an animal bone
- animal dung or scat

B. Circle the correct answer!

This IMPRESSION is a:

leaf fish bird

It is a:

trace fossil body fossil

C. This station has 2 objects. Fill in the blanks.

1) B N

2) S S L

D. Look at the tiny fossils, and draw your favorite one in this box! Be gentle with them!

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Grade 2, Post-Visit Activity, "Fascinating Fossils"

Name: _____

FOSSILIZATION

Instructions: Color the pictures on the attached sheet of paper. Then cut the squares along the dotted lines. Paste them on this sheet in the correct order of the fossilization process.

| | |
|-------------------|--------------------|
| First Step | Second Step |
| Third Step | Last Step |

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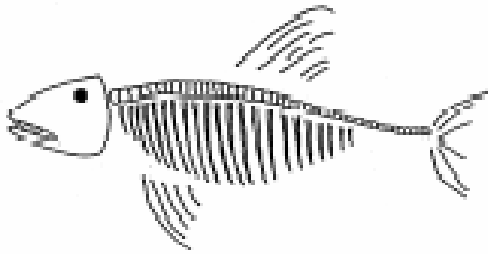
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Grade 2, Post-Visit Activity, "Fascinating Fossils"

Fossilization



Its bones soak up the minerals



It becomes a body fossil



Its skin and muscles decompose



Animal dies