

Science Studies Weekly—Challenger (Grade 5)
Teacher Resource Book

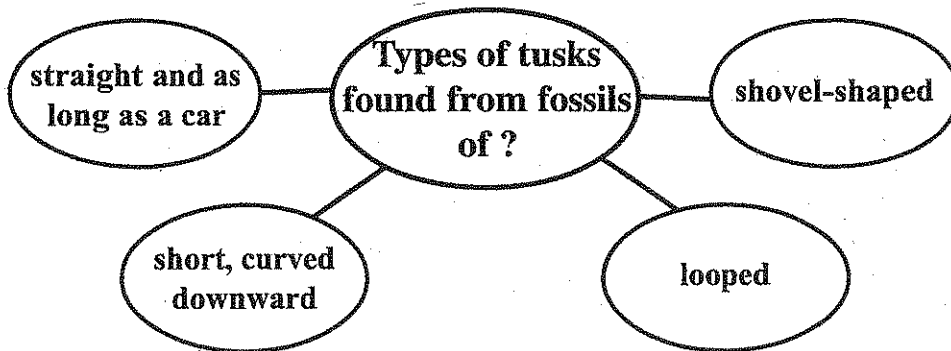
Name: _____
Science Studies Weekly: Challenger (5th Grade)

Date: _____
Week 25, 4th Quarter

Read each question and the answer choices. Fill in the circle that goes with the correct answer.

- 1 Fossils are formed when remains of ancient plants and animals are covered with layers of
- Ⓐ sediment
 - Ⓑ minerals
 - Ⓒ soft body parts
 - Ⓓ bones and shells
- 2 Which time on Earth do scientists believe was quiet, without much life?
- Ⓔ Precambrian
 - Ⓕ Jurassic
 - Ⓖ Cretaceous
 - Ⓙ Quaternary

Use the diagram below and what you know to do #3.



- 3 Which type of prehistoric mammal does this diagram describe?
- Ⓐ saber-toothed tiger
 - Ⓑ dinosaur
 - Ⓒ giant armadillo
 - Ⓓ elephant

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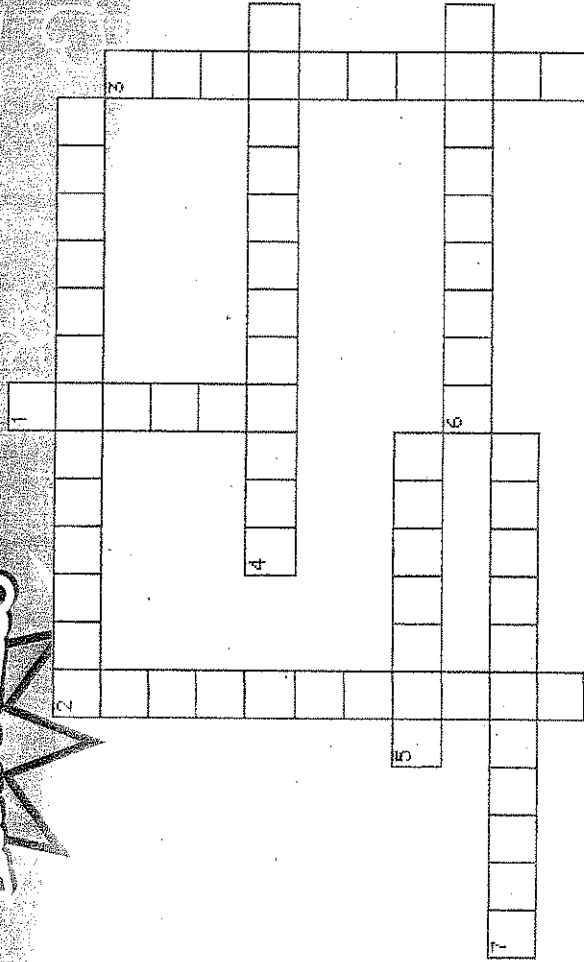
- 4 What theory is mentioned in Science Studies Weekly that might explain why dinosaurs became extinct?
- Ⓕ a giant earthquake
 - Ⓖ an ice age
 - Ⓗ a meteor crashing into Earth
 - Ⓙ acid rain
- 5 Fossils from this time period show that flowering plants lived on the Earth.
- Ⓐ Precambrian
 - Ⓑ Jurassic
 - Ⓒ Cretaceous
 - Ⓓ Quaternary
- 6 What do scientists measure to determine the age of objects?
- Ⓕ bones
 - Ⓖ carbon
 - Ⓗ teeth
 - Ⓙ carbon dioxide
- 7 Where was the first dinosaur skeleton discovered by Dr. Gideon Mantell and his wife?
- Ⓐ Germany
 - Ⓑ England
 - Ⓒ Siberia
 - Ⓓ North America

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- 8 Sir William Dawson, who discovered some of the most important fossils in North America, was a paleontologist as well as a
- Ⓕ botanist
 - Ⓖ zoologist
 - Ⓗ astronomer
 - Ⓙ geologist
- 9 At the end of which time period did dinosaurs become extinct?
- Ⓐ Precambrian
 - Ⓑ Jurassic
 - Ⓒ Cretaceous
 - Ⓓ Quaternary
- 10 The remains of woolly mammoths have been found frozen in ice in which area of the world?
- Ⓕ Germany
 - Ⓖ England
 - Ⓗ Siberia
 - Ⓙ North America
- 11 By studying footprints, skin prints and feather prints, many paleontologists now believe dinosaurs are most closely related to
- Ⓐ reptiles
 - Ⓑ amphibians
 - Ⓒ mammals
 - Ⓓ birds
- 12 In the movie "Night at the Museum," all of the following things came to life except
- Ⓕ a T-Rex skeleton
 - Ⓖ the first human skeleton
 - Ⓗ President Teddy Roosevelt
 - Ⓙ a Roman army

Vocabulary and Word Games



Across

- a feathered dinosaur whose fossils have been found
- This prehistoric mammal came in all shapes and sizes, and remnants of them can be found all across North America.
- The first ancient human skeleton was found in Neander Valley, _____.
- The first dinosaur skeleton was what kind of dinosaur?
- This "quiet" period lasted for about 4 billion years.

Down

- the stone that is made when minerals harden in the mold of a living thing
- flowering plants
- the time period in which Tyrannosaurus rex first appeared

Mini-Lab Be a Scientific Detective!

Dinosaur teeth give scientists clues about the food that these animals ate. Examine these dinosaurs. Then, classify them according to what they might have eaten. You may need to do some research on your own in the library or on the Internet.

- Grippers: Dinosaurs with no teeth swallowed their food whole. They were often omnivores. They ate plants and animals.