

Test Name: 2019-20 RCK12 Grade 3 Unit 3 Pre Assessment

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What can scientists learn by studying fossils?

1.
 - A. what rocks are made of
 - B. how minerals are formed
 - C. how every organism died a long time ago
 - D. what types of organisms lived a long time ago

Which of the following is NOT a reason why studying fossils is important?

2.
 - A. They show scientists what ancient organisms looked like.
 - B. They show how organisms have changed.
 - C. They allow scientists to bring extinct organisms back to life.
 - D. They give information about ancient environments.

The photograph shows a number of fossils found in one location.



The photograph is evidence that the environment in which this organism lived

3.
 - A. contained a diverse group of organisms.
 - B. contained genetically similar organisms.
 - C. experienced little variation in climate.
 - D. experienced great climate change.

Fossils of sharks can be found all over Georgia. Which part of the shark is **most likely** to become a fossil?

- 4.
- A. the skin
 - B. the teeth
 - C. the eyes
 - D. the fins

Which statement **best** describes how an organism becomes fossilized in amber?

- 5.
- A. A mosquito is caught in tree resin that hardens into rock.
 - B. The bones of a frog buried in sediment are replaced with tree resin.
 - C. A dinosaur is trapped in lava, and the heat turns the bones into amber.
 - D. The body of a snail leaves an impression in amber, and it turns into rock.

The picture shows the fossil of a dinosaur bone.



Source: Nkansahrexford CC BY SA 3.0

Which statement **best** describes how this fossil was formed?

- 6.
- A. Minerals replaced bone over a long period of time.
 - B. Bone replaced minerals over a long period of time.
 - C. Minerals replaced bone over a short period of time.
 - D. Bone replaced minerals over a short period of time.

How do scientists know that dinosaurs existed?

7.

- A. They discussed dinosaurs.
- B. They found fossils of dinosaurs.
- C. They heard stories about dinosaurs.
- D. They watched movies about dinosaurs.

Scientists discovered the fossilized remains of an unidentified animal. They can tell from its remains that it had gills and fins, but no legs. What conclusion about the animal can they draw from the evidence?

8.

- A. It was a land mammal.
- B. It lived in the water all the time.
- C. It had legs that did not fossilize.
- D. It lived in the water and on land.

What is a fossil?

9.

- A. a rock that is millions of years old
- B. the model created by a scientist to study dinosaurs
- C. the remains of an organism studied by scientists
- D. an organism that has become extinct

Two fossils are being compared. Which fact would **best** support the idea that the two organisms lived together?

10.

- A. The fossils both look like plants.
- B. The fossils both look like animals.
- C. The fossils were both found the same year.
- D. The fossils were both found in the same location.

