

Evolution—Evidence of Change

Lesson 1 Fossils and Evolution

Grade 7 Science Content Standards—4.e: Students know fossils provide evidence of how life and environmental conditions have changed. Also covers: 3.c, 4.c

Scan the headings in Lesson 1 of your book. Identify three topics that will be discussed.

1. _____
2. _____
3. _____

Review Vocabulary

Define gymnosperm using your book or a dictionary.

gymnosperm

New Vocabulary

Use your book to define the following terms.

fossil

paleontologist

decomposition

permineralization

mold

cast

fossil record

Academic Vocabulary

Use a dictionary to define element.

element

Lesson 1 Fossils and Evolution (continued)

Main Idea

What are fossils?

I found this information on page _____.

When do fossils form?

I found this information on page _____.

How are fossils formed?

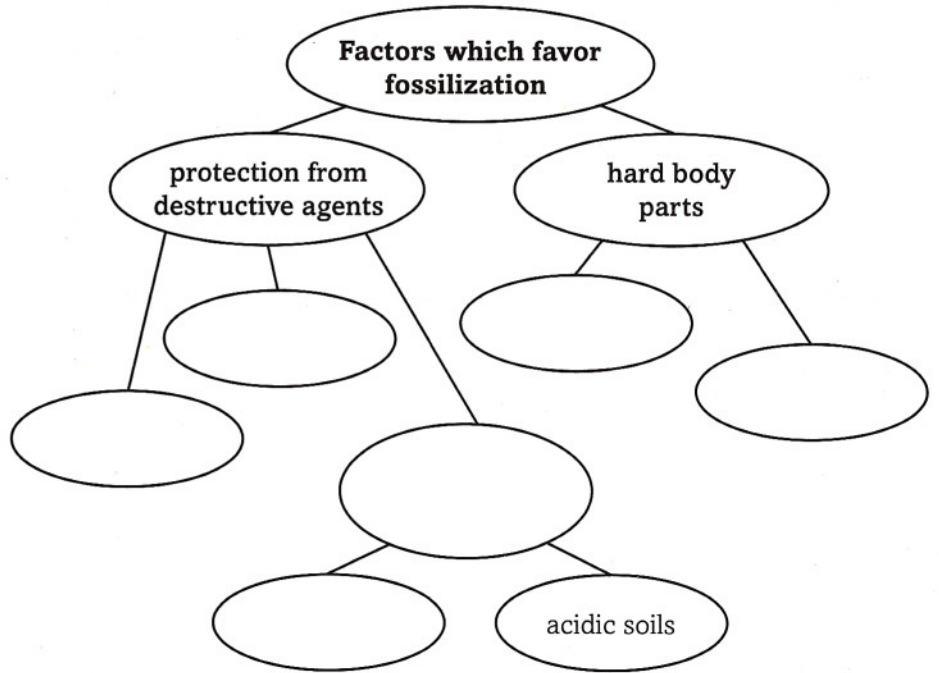
I found this information on page _____.

Details

Identify *three* examples of fossils.

1. _____ 2. _____ 3. _____

Organize information about factors which favor fossilization.



Complete the table by describing methods of fossilization.

Method	Description
Permineralization	
Replacement	
Carbonization	
Original material	

SUMMARIZE IT

Summarize the main idea of the above sections.

Lesson 1 Fossils and Evolution (continued)

Main Idea

How are fossils formed?

I found this information on page _____.

What do fossils tell us?

I found this information on page _____.

I found this information on page _____.

Details

Create two drawings to show the difference in appearance between a mold and a cast. Add labels to your drawings as needed.

Mold

Cast

Summarize the kinds of information scientists learn by studying fossils.

Identify three explanations for why there are gaps in the fossil record.

1. _____
2. _____
3. _____

SUMMARIZE IT

Summarize the main ideas of the above sections with two bullet points.
