
CH. 6 The Rock and Fossil Record

Lesson: 6-1 Earth's story and those who first listened
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

Lesson Objective

Identify the role of uniformitarianism in Earth science. Contrast uniformitarianism with catastrophism. Describe how the role of catastrophism in Earth science has changed.

Teaching Procedure

Read/discuss p. 132-136.

Homework Assignment

Worksheet 6-1.

Lesson: 6-2 Relative dating: Which came first?
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

****Correct Homework, if any******Lesson Objective**

Explain how relative dating is used in geology. Explain the principle of superposition. Demonstrate an understanding of the geologic column. Identify two events and two features that disrupt rock sequences. Explain how physical features are used to determine relative ages.

Teaching Procedure

Read/discuss p. 137-141.

Homework Assignment

Worksheet 6-2.

Lesson: 6-3 Absolute dating: A measure of time
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

****Correct Homework, if any******Lesson Objective**

Explain how radioactive decay occurs. Explain how radioactive decay relates to radiometric dating. List three types of radiometric dating. Determine the best type of radiometric dating to use to date an object.

Teaching Procedure

Read/discuss p. 142-145.

Homework Assignment

Worksheet 6-3.

Lesson: 6-4 Looking at fossils
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

****Correct Homework, if any******Lesson Objective**

Describe how different fossils are formed. List the types of fossils that are not part of organisms. Demonstrate how fossils can be used to determine changes in environments and the organisms the fossils came from. Describe index fossils, and explain how they are used.

Teaching Procedure

Read/discuss p. 146-150.

Homework Assignment

Worksheet 6-4.

Lesson: 6-5 Time marches on.
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

****Correct Homework, if any******Lesson Objective**

Demonstrate an understanding of the geologic time scale. Identify important dates on the geologic time scale. Identify the eon we know most about, and explain why we know more about it than about other eons.

Teaching Procedure

Read/discuss p. 151-155.

Homework Assignment

Worksheet 6-5.

Lesson: Test
Author: Mr. Hilvers
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Level: Grade 7

Student Evaluation