

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Guided Inquiry • Forensics Lab

## Chapter 10 Lab Using Index Fossils

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**Problems**  
 How can fossils be used to determine the relative ages of rock layers?

**Introduction**  
 It is easy to compare the ages of fossils found in sedimentary rocks at one location. Fossils found in an upper rock layer will be younger than fossils found in a lower layer, unless the layers have been overturned. It is not so easy to compare the ages of fossils found in rocks at different locations. Scientists use index fossils to determine the relative ages of rock layers. Scientists use sedimentary dating to find the actual age of rocks and fossils.

In this lab, you will work with knowledge of rock layers from different locations. Each layer will contain at least two fossils. Using the fossils as clues, you will separate the layers from oldest to youngest.

**Skills Focus**  
 Interpret Visuals, Sequence, Draw Conclusions

**Materials**  
 1 container

**Safety**   
 Do not share the points of the witness pencil yourself or others. Use the witness only as instructed.

**Pre-Lab Questions**

- Organize Data** When you see one of the drawings of the rock layers, how will you begin the process of writing the layers by age?  
 \_\_\_\_\_  
 \_\_\_\_\_
- Make Predictions** How was it possible to determine that fossils only during the Triassic Period? How could we prove that first appeared in the Triassic Period and still exist? Which of these organisms would be most useful as an index fossil for the Triassic Period? Why?  
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 \_\_\_\_\_

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# Lab Using Index Fossil

## Lab Using Index Fossil

### Lab Using Index Fossil

The lab is one in which students get to work together to figure out some geologic "puzzles". Correlating rock layers involves using techniques like index fossil correlation, superposition, and horizontal originality to piece together what happened in the past.

### Eighth grade Lesson Index Fossils & Correlation Lab

Scientists use index fossils to determine the relative ages of rock layers. Scientists use radiometric dating to find the actual age of rocks and fossils. In this lab, you will work with drawings of rock layers from different locations. Each layer will contain at least two fossils.

### Chapter 19 Lab Using Index Fossils - barnesville.k12.mn.us

LAB #51: Index Fossils of NY State Introduction: Use page 8-9 of the ESRT to fill in the following information, and then answer questions on the second page: Index Fossil Image Fossil Name Fossil Group Period/Epoch Age (M.Y.A.) Index Fossil Image Fossil Name Fossil Group

### LAB #51: Index Fossils of NY State

chapter 19 lab using index fossils. Download chapter 19 lab using index fossils document On this page you can read or download chapter 19 lab using index fossils in PDF format. If you don't see any interesting for you, use our search form on bottom 1 . Worksheet: What are fossils? - West Coast Fossil Park. Worksheet: What are fossils? ... nests and grains of pollen are examples of body ...

### Chapter 19 Lab Using Index Fossils - Joomla! - Joomla!

Index Fossils and Relative Dating Lab Part 1 Objectives: (1) Create a chart to show the range of geologic periods when different cephalopod species lived; (2) Determine which species of cephalopods are good index fossils; (3). Use index fossils to determine the relative age of rocks. Introduction One of the most economically valuable uses of fossils is for finding oil. Oil companies are ...

### Index Fossils and Relative Dating Lab - BIOLOGY PAGE

View Notes - Index\_Fossil\_Lab from BIOLOGY Honors Bio at Toms River High East. Name Class Date \_ Guided Inquiry Forensics Lab Chapter 19 Lab Using Index Fossils Problem How can fossils be used to

### Index Fossil Lab - Name Class Date Guided Inquiry ...

If geologists identify an index fossil in a rock layer, they can estimate when that rock layer was formed. Time to find some Index Fossils! Using p. 41 - Index Fossil Key in your textbook, identify which Grand Canyon fossils are index fossils Go over answers Now do Bryce Canyon and Zion National Park! Work with a partner and record answers on bottom of WS or on scratch piece of paper ...

### Week 7: Index Fossils

Using Index Fossils Lab Answer Key - Pdfdocuments2.com Activity 8.2 Using Index Fossils to Date Rocks and Examine the photos in the lab manual on p 189 and answer the following What is the absolute age ... Access Document . Lab 4: Fossil Preservation - Epc.c.edu Lab 2B: Fossil Preservation Geology 1402 . 2 •Symmetry . 3 The branch of geology that studies fossils •Paleontology -Paleo ...

### Fossils: Fossils Lab

Labeled in cms lib appendix a-, regents earthsci - cachedsimilaratypes of fossils resonance volumes - cachedsimilarindex index cards walmart, cachedindex fossils lab resonance volumes - cachedsimilarindex fossils on information from Date rocks and events thousands Upload docs cachedsimilaractivity index fossils indexfossil ...

### Index Fossils Activity - Paulene Edwards Fine Art

Pearson Lab Manual Using Index Fossils - Cellsignet.org.uk Download and Read Pearson Lab Manual Using Index Fossils without a broker how i got 1296 active members to a brand new membership site in 44 days starting from scratch ... Fetch Here. Correlation And Index Fossils - PBworks F:\Earth's History\Correlation and Index Fossils.doc 1 Name: Section: Correlation and Index Fossils A fossil is ...

### Fossils: Index Fossils

What an index fossil represents Comparing fossils from lower and upper layers How to match up two outcrops of fossils Good and bad traits of index fossils Skills Practiced. Interpreting ...

### Quiz & Worksheet - Relative Dating with Index Fossils ...

Glencoe virtual fossil lab answer key. Using the resources. Answers and teacher notes for the worksheets Hands-On Activities MiniLAB and Lab Worksheets:Each of these worksheets is an expanded version of each lab and MiniLAB found in the Student Edition. A giant 500-pound floating object called a buoy is recording the moans and bellows that whales make when they communicate with each other ...

If you were to infatuation such a