Plan of the Day:

0) OVERDUE Forecasting Plate Drift 100 Million Years into the Future ESSAY & MAP - LAST DAY!

1) FINISH Quick Lab: Modeling the Fossil record (A-day students only - 20 minutes).

2) Continue READ & ANSWER QUESTIONS Unit 2: Lessons 1 through 4.

Unit 2 Disciplinary Core Ideas

ESS2.A: Earth's Materials and Systems

- *All Earth processes are the result of energy flowing and matter cycling within and among the planet's systems. This energy is derived from the sun and Earth's hot interior. The energy that flows and matter that cycles produce chemical and physical changes in Earth's materials and living organisms.*

ESS1.C: The History of Planet Earth

- *Tectonic processes continually generate new ocean sea floor at ridges and destroy old sea floor at trenches. (HS.ESS1.C GBE),(secondary)*

ESS2.B: Plate Tectonics and Large-Scale System Interactions

- *Maps of ancient land and water patterns, based on investigations of rocks and fossils, make clear how Earth's plates have moved great distances, collided, and spread apart.*

Feb 7-6:18 AM

Having read and answered questions in Unit 2 Lesson 1: Geologic Change Over Time, Lesson 2: Relative Dating and Lesson 4: The Geologic Time Scale will help considerably with today's Quick Lab: Modeling the Fossil Record! Simply looking at the illustrations in Lesson 2 helps, too.

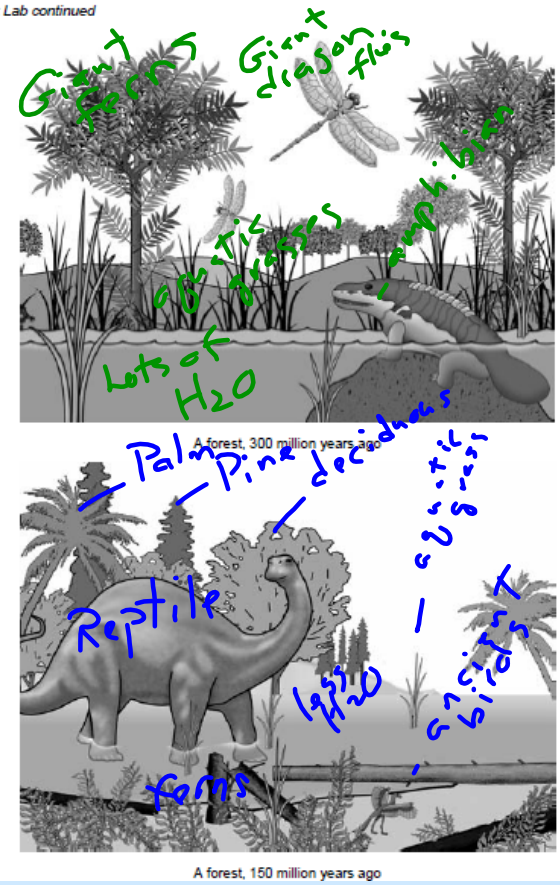
You will FINISH and turn in this lab for a PROCESS GRADE by the time my timer goes off (20 minutes).

Feb 7-7:58 AM

Use these images (you will later attach this page to your lab) to direct your thinking as you complete the lab.

ALL lab questions MUST be answered using COMPLETE sentences.
Use vocabulary from the assigned readings.
Be SPECIFIC in your responses.

Quick Lab continued



A forest, 300 million years ago

A forest, 150 million years ago

Feb 7-8:04 AM

PROCESS GRADE

Name _____ Class _____ Date _____

QUICK LAB DIRECTED Inquiry

Modeling the Fossil Record

In this lab, you will examine pictures that represent how an area of land might have looked long ago. You will use the pictures to infer and to draw a model of the fossil record for this area.

OBJECTIVE
- Draw a picture to model the fossil record over 300 million years.

MATERIALS
For each student
- colored pencils

PROCEDURE

1. Look at the pictures provided by your teacher. What do the pictures show?

Complete sentences

2. What was the area like 300 million years ago? 150 million years ago?

Complete sentences

3. Brainstorm and sketch a present-day forest.

4. Describe the changes that occurred in the area over 300 million years.

Complete sentences

ScienceFusion Module E Lab Manual 85 Unit 2, Lesson 1 Geologic Change over Time

Name _____ Class _____ Date _____

Quick Lab continued

5. What might have caused the environment to change so drastically?

Complete sentences

6. Draw a picture that shows what the fossil record of this area might look like. Remember, older fossils would be found in lower layers than more recent fossils.

Look at Lessons 2 for ideas

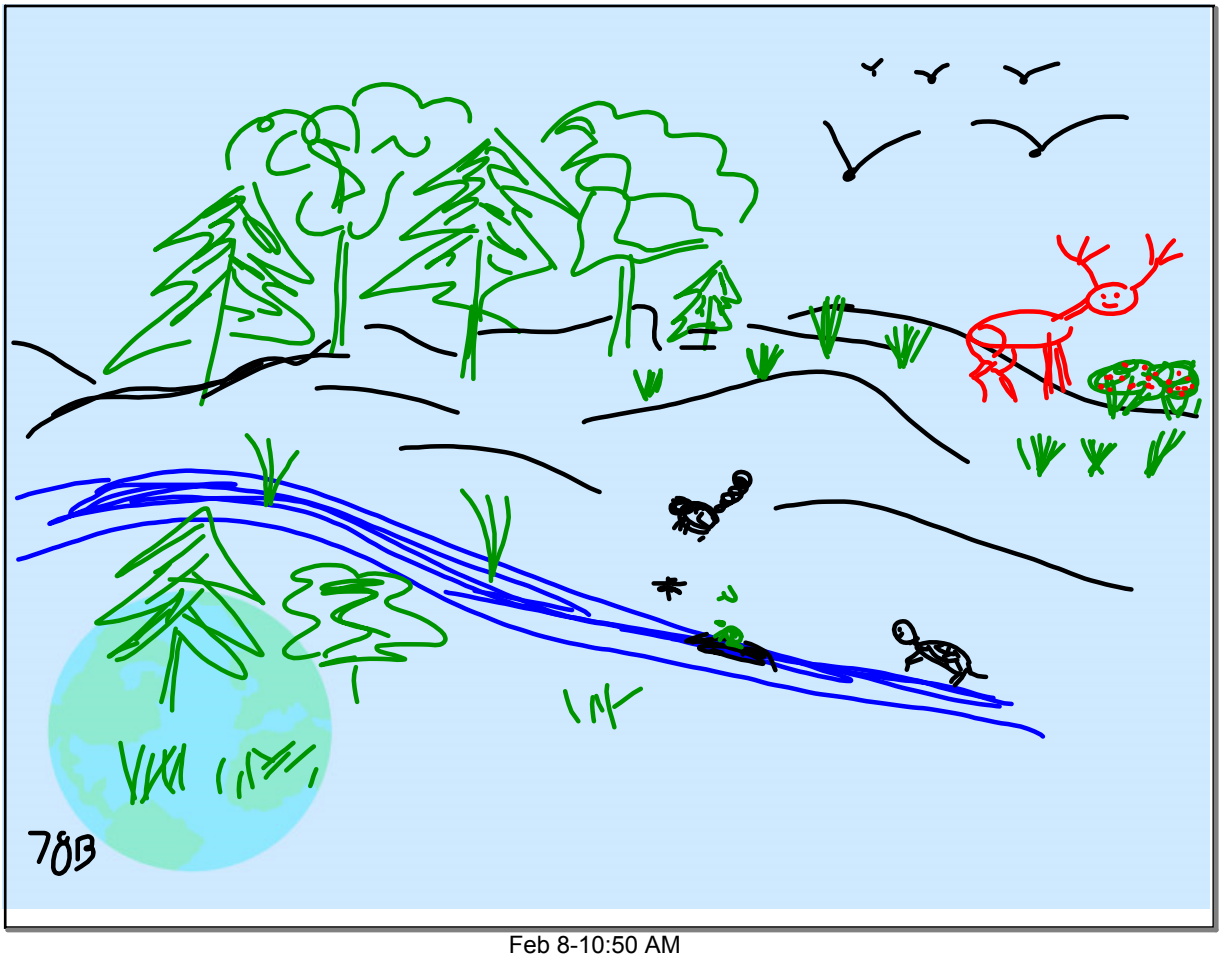
7. Draw a picture of what you think the fossil record of the area might look like 150 million years from now. Explain your drawing.

Use ALL 3 drawings (your modern day forest) in your response

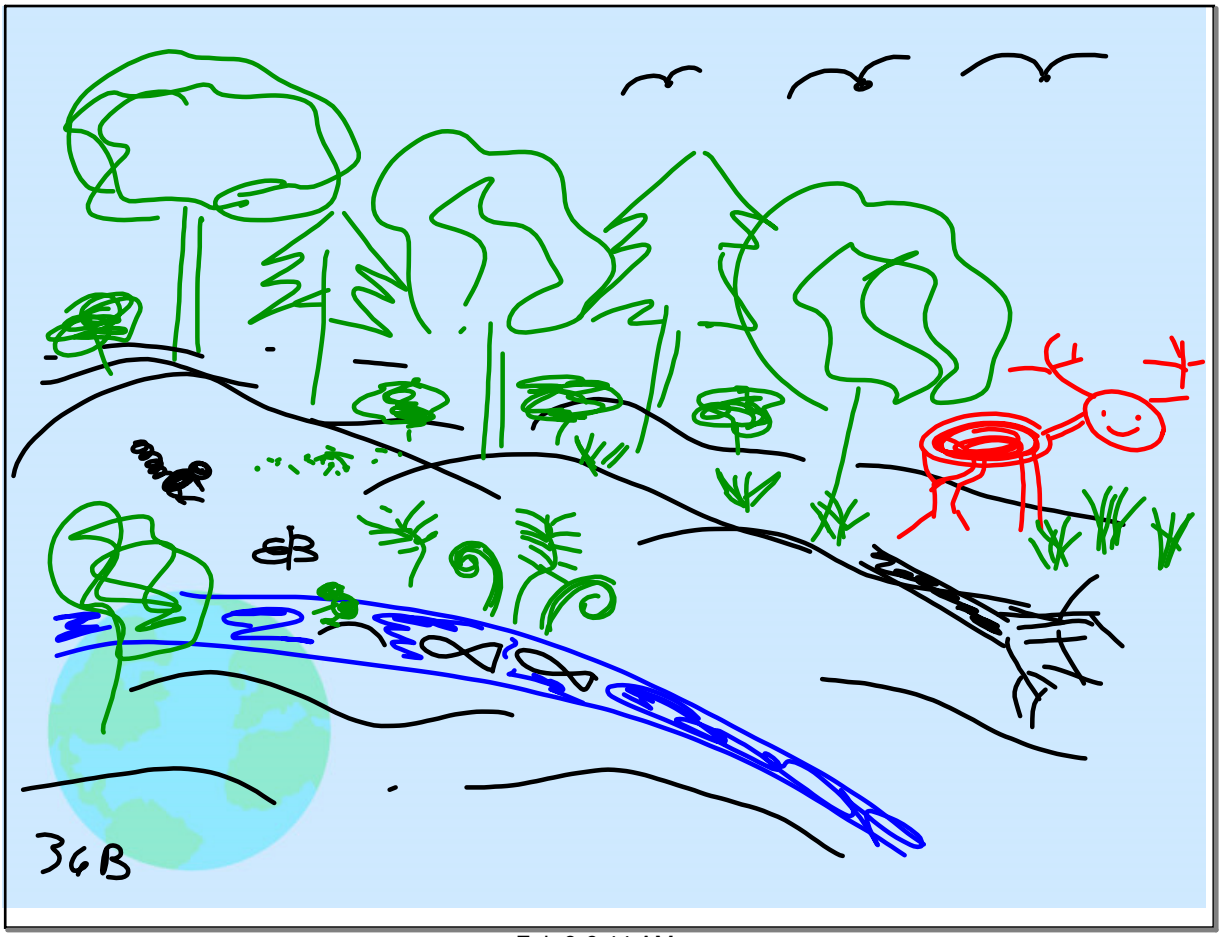
Complete sentences

ScienceFusion Module E Lab Manual 86 Unit 2, Lesson 1 Geologic Change over Time

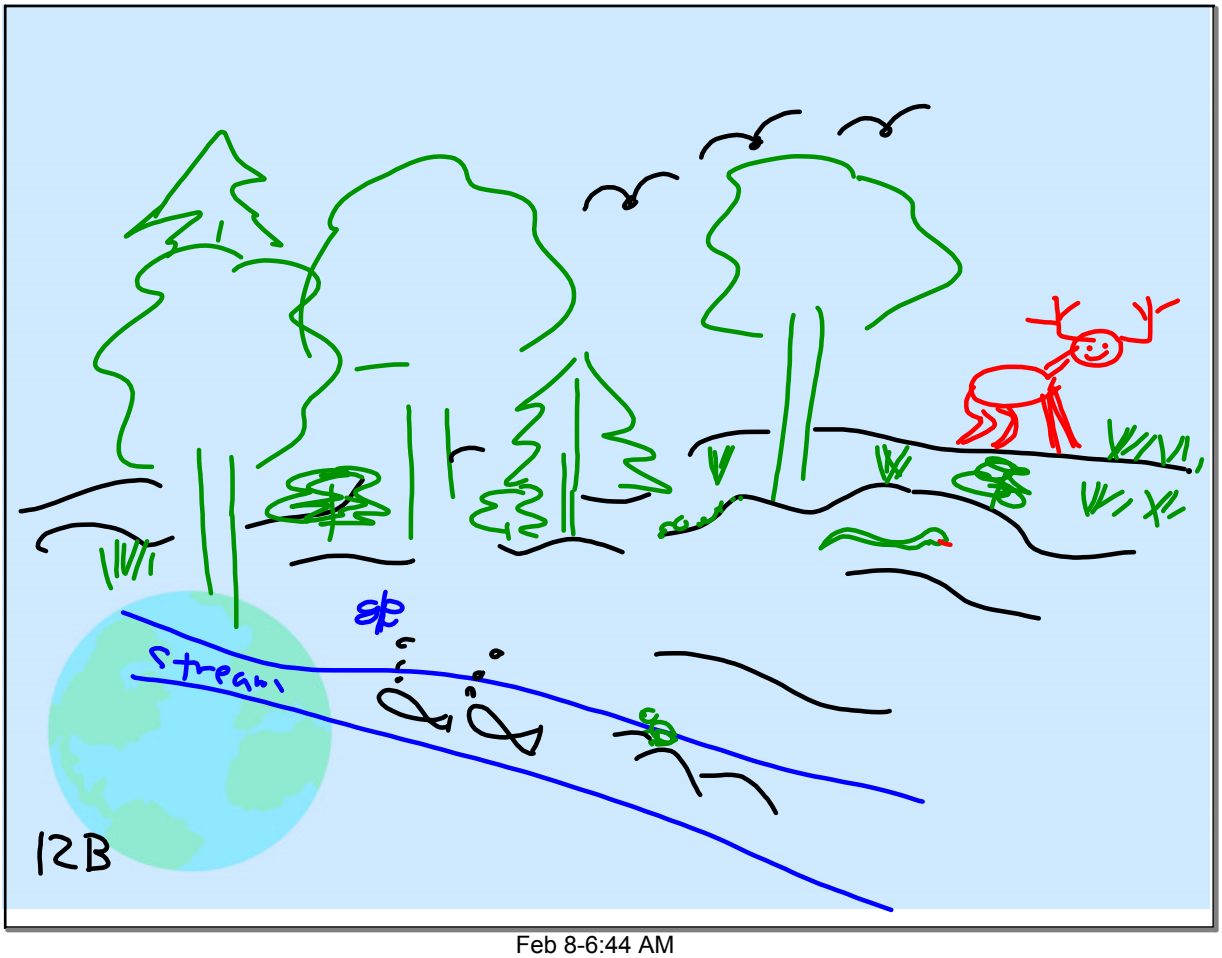
Feb 7-8:05 AM



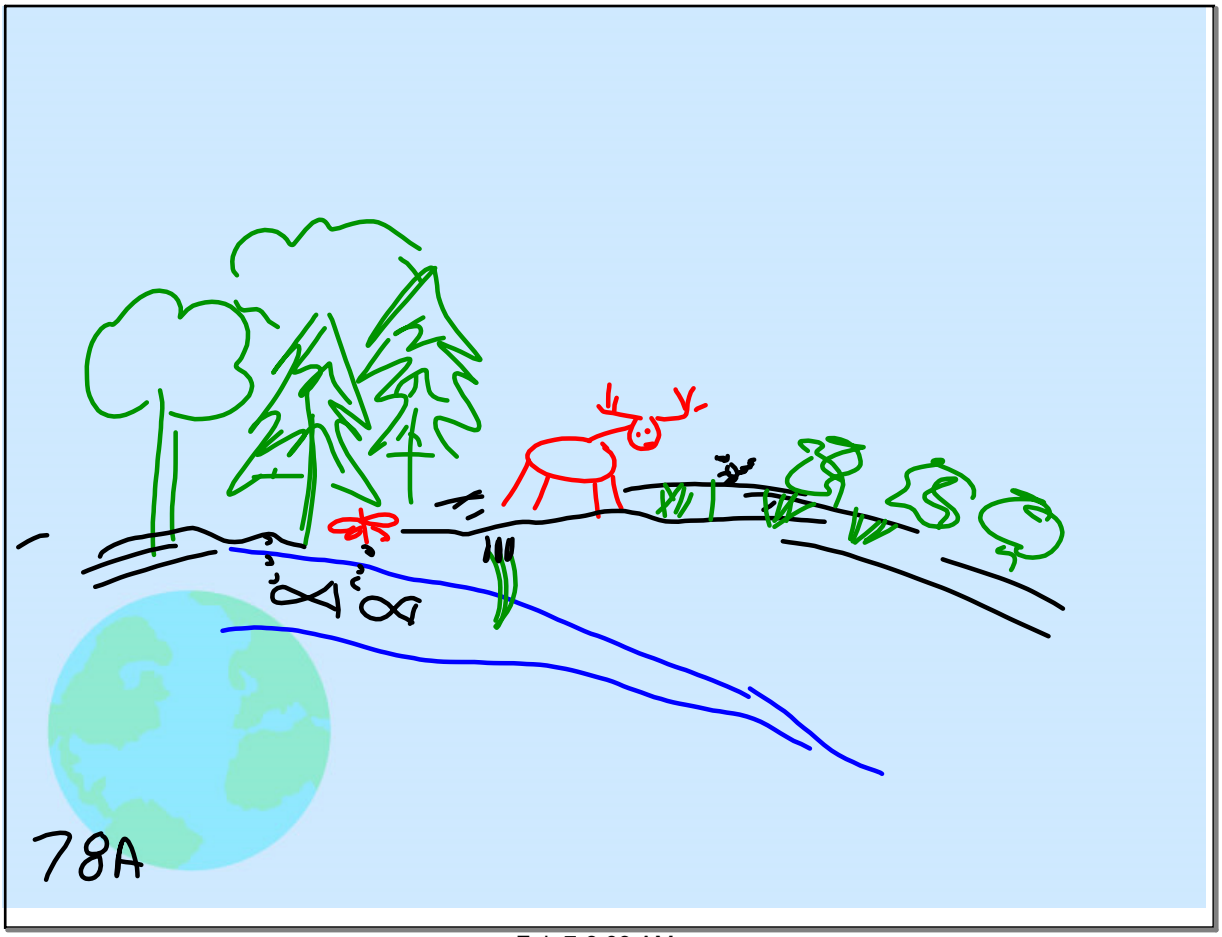
Feb 8-10:50 AM



Feb 8-6:44 AM



Feb 8-6:44 AM



Feb 7-8:03 AM

DUE DATE:

A-day students
February 9, 20 minutes into class
(These students had a 2 hour dismissal schedule).

B-day students already turned their lab in
February 8, at the END of class.

Make sure your NAME, CLASS & DATE are on BOTH pages.
Place your Modeling the Fossil Record Quick Lab in the BLUE MORIN BIN.

Feb 8-6:21 AM

AFTER THE LAB and B-day STUDENTS:

Unit 2: EARTH'S HISTORY

Lesson 1: Geologic Change Over Time
Pages 78-90 Questions 1-27 (omit 19)

Lesson 2: Relative Dating
Pages 92-103 Questions 1-24

Lesson 3: Absolute Dating
Pages 106-116 Questions 1-19 (omit 13)
(#13 = EXTRA CREDIT if convincing)

Lesson 4: The Geologic Time Scale
Pages 118-128 Questions 1-20 (omit 15)

Feb 8-2:24 PM

Due date for ALL readings and questions:

At the end of 2nd, 6th & 8th periods, I will start checking (during the last 40 minutes) for completion:

February 17th (A-day)
February 21st (B-day)

Feb 9-6:36 AM