



Bellwork for Week 10:

Mar. 8-12, 2004

Bell #40: Critical Thinking on Hot Spots, Page 269.

(1) If an island was located 700 km from Hawaii, what would be the expected age of the rocks of the island?

(2) How far away from Hawaii would an island be on which the rocks were dated 4.0 million years?

(3) What evidence is there on the graph that Hawaii is currently over the hot spot?

(4) Which island was over the hot spot about 5.0 million years ago?

(5) According to the graph, which island is the oldest?

(6) What is the age difference between the rocks of Oahu and the rocks of Molokai?

(7) Assuming the age of 8.0 million years for the rocks of Nihea, determine the rate of motion of the Pacific Plate in this area.

Bell #41: ANSWER THESE QUESTIONS AND THEN STUDY QUIETLY.

(1) Is your notebook here and in good order?

(2) What was your favorite topic of Earth Science this term?

(3) Do you think you are a better Science student now than in middle school? Why or why not?

BELL #42: EXAM DAY! (Exam Warm-up)

(1) What instrument would you use to measure the mass of an object?

(2) Write a title: I.V. amount of practice D.V. Accuracy of golf swing

(3) Describe how talc and kaolinite are different.

(4) How are minerals different from rocks?

(5) What is the relationship between Plate Tectonics and earthquakes and volcanoes?

BELL #43: How do you write a Materials List? Pull out your Experimental Design and make a list of everything you will need to run your experiment.

BELL #44: How do you write a Safety Concerns List? Yes! Every lab has safety concerns! Write down at least one safety rule that will apply to your lab.