

Name: _____

Period: _____ Date: _____

Science Article

1. Just reading the titles of these articles, what do you think the articles will be about?
2. What do you already know about these subjects (or *any* words in the titles)? (Brainstorm and include *anything* that comes to mind. This part doesn't need to be in complete sentences.)
3. You'll now be given the actual articles. Look at any diagrams, photos, illustrations. Read the captions for these. Scan the first sentence of each paragraph. Now, briefly describe what you think the articles are about.
4. Now read the articles. As you read the articles, make a list of words you are unfamiliar with. Write down what you *think* they might mean from the context (how they're used in the sentence). Then look up the word in the dictionary. List at ***least*** one word, but no more than three.

WORD	MEANING FROM CONTEXT	DICTIONARY MEANING

5. In just one or two sentences, summarize the main idea(s) of either article (What happened? What experiment was conducted? What was observed? What was learned? Why is it important?).

Teeth Tell Tale of Warm-Blooded Dinosaurs Where the Gems Are

6. Scientists used two isotopes of which element to analyze both dinosaurs *and* emeralds in the two articles? Which two isotopes were used to analyze the dinosaur bones?
7. In the dinosaur article, the relative amounts of the two isotopes varied due to what two factors?
8. In the article on emeralds, what factor determined the levels of the two isotopes?
9. Scientists used the levels of isotopes from the bones of what “cold-blooded” animals as a “control” or comparison to the dinosaurs?
10. What conclusion did scientists reach regarding the theropods in the article on the dinosaurs?

How did the isotope tests on emeralds compare to the stories of their origins?