

Name: _____

Period: _____ Date: _____

Science Article

1. Just reading the title of this article, what do you think the article will be about?
2. What do you already know about this subject (or *any* words in the title)? (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 article itself. 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 article is about.
4. Now read the article. As you read the article, 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 this article (What happened? What experiment was conducted? What was observed? What was learned? Why is it important).

The Brazil nut effect gets more jumbled

1. In a thoroughly shaken container, which nuts end up on the top: the small ones or the big ones? What is this effect called?
2. What other characteristic (besides particle size) has a significant effect on where particles end up in a granular mix?
3. Name a practical reason cited in the article why this effect might be important in the real world (other than just getting nuts to be more evenly mixed).
4. Who are the main researchers discussed in this article, and which university are they associated with?
5. What type of “particle” did the researchers use as a model in this research? How did they vary its density?