

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?).

Snowboard Superstar

1. Who is the “snowboard superstar” from this article and where is she from?

How fast does she go boarding down the slopes?

2. When Olson flies out of the halfpipe and continues up into the air, this is an example of which of Newton’s Three Laws of Motion?

What is the “outside force” that brings Olson back down to Earth?

3. How does Olson use Newton’s Third Law of Motion to come to a quick stop? Be sure to describe which forces are involved (what is pushing against what).

4. What force that tries to slow Olson down as she goes down the slope or flies through the air?

Describe what is special about the design of her snowboard *and* how she uses it on the slope to try and overcome this force.

5. What does Olson do to reduce air resistance (friction) as she goes into the air on her board?