

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?).

# **Bang, Sparkle, Burst, and Boom**

## **News Flash: Earth Still Has Only One Moon**

### **Jupiter and Saturn Have Atmosphere of Deadly Gas**

1. Name at least three ways that light being emitted by electron excitation is used by people for different purposes.
2. Name three different chemicals used in pyrotechnic displays and the colors those chemicals produce.
3. In the article about the object orbiting the Earth, what was the chemical identified using spectroscopic analysis?
4. In 1934, what substances on Jupiter and Saturn were scientists able to identify by the spectra of their gases?
5. What other physical property of the fireworks do pyrotechnicians use to create special effects besides the colors the chemicals emit as they burn, and how does this property show up in the actual fireworks?