

MYSTERY OF MATTER PART 2 OF 3

UNRULY ELEMENTS

(24 pts PLUS Extra Credit)

1. What is the instrument that allowed people to see the distinct line spectrum of different elements?
2. Who was the first to bring order to the collection of elements that were being discovered?
3. "Through _____ not words that we must seek divine and scientific truth"
4. What were the first two well-known chemical families of elements?
5. The original published periodic table had blank spaces on it that suggested a future unknown element's _____.
6. What was the first element that was discovered and fit into a blank spot on the original published periodic table?
7. What was the last family of elements to be discovered and placed on the periodic table?
8. Marie Curie worked on her physics dissertation originally studying which element?
9. When pitchblende was tested and found to be surprisingly radioactive, what did the Curies first suspect?
10. What elements did the Curries discover?
11. How many Noble Prizes did Marie Curie receive?
12. Scientific discoveries open new doors to new questions. The Curries discovered radioactivity, what new question did that lead to?

EXTRA CREDIT HOME WORK

(UP TO AN ADDITIONAL 24 POINTS)

- Write a **three page essay in APA format** (12 font, double spaced, time new roman, and 1" margins) summarizing this video.
- Use Google Documents and **share** the assignment with "**Shaw Rast**"
- Your essay must flow (not bullets nor numbers) while **addressing all questions** on the previous page. This does NOT mean the essay is only answering those questions, it is a summary of the video that should have those points included.
- Your essay should conclude with a **personal reflection** about what was learned.
- **Proof read** your essay and have someone else that is knowledgeable in writing and grammar proof read it before it is submitted.

If you do not follow these direction you will not receive extra credit.