

Name: _____ Per: _____

Nuclear Topics: Nova Science Now Follow-up Questions

Instructions: Pre-read these questions. Then, will watching the video, take whatever notes you need to answer the questions. Finally, for next class period, use your notes to write a few well developed sentences to answer the questions.

1. Where were/are the naturally occurring elements created?
How did this process work?

Notes Space

2. What role does the strong nuclear force play in the nucleus of the atom?

3. What roles does the neutron play in the nucleus of the atom?

4. Discuss the structure and organization of the nucleus.

Notes Space

5. Explain the “sea of instability” and the “magic island of stability.”

6. Scientists were able to get Ca and Pu to fuse, creating element 114. However, the atoms that formed were unstable. What went wrong?