

Uranium: War, Energy, and the Rock That Shaped the World

Study Questions for Extra Credit: Answer the questions and resubmit this document to jwalker@ccc.edu with your name added to the file name and email subject line: Chem121: Uranium Chapter Seven - Instability

1. (p. 216) Take a look at the website for Areva (<http://www.areva.com/>). This company controls uranium mines in Arlit. Can you find any information about Niger on this website?
2. (p. 217) "Though Niger is the fourth-largest producer of uranium in the world, it sees almost none of the wealth." Describe life in Niger for the average citizen.
3. (p. 232) What does Tom Zoellner say about the relationship of Iran with uranium? Summarize his main points.
4. (p. 234) If inhaled, what amount of plutonium causes death in a matter of hours?
5. (p. 236) Three boys found a black rock in 1951 that turned out to be enriched uranium. It was thirty pounds and the size of a _____?
6. (p. 236) Uranium is transported in many forms. What forms are listed?
7. (p. 239) Visit the Megatons to Megawatts website. Describe the program.
<http://www.usec.com/megatonstomegawatts.htm>
8. (p. 246) How big would a package of uranium big enough to achieve critical mass be?
9. The name of this chapter is "Instability". Why do you think this chapter has this name?

