

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 Six - Rainbow Serpent

1. This chapter describes the role Australia has played in the story of Uranium. Briefly list the main themes of the chapter, for example, Rights of Aborigines versus development of Uranium resources.
2. (p. 182) In describing the processes for producing yellowcake a reference is made to a "dark green powder". What is this substance?
3. (p. 188) What is a spectrometer survey and how is it useful?
4. (p. 189) What isotopes of potassium, thorium and radium can confuse an inexperienced prospector? Why?
5. (p. 191) Who are the five atomic superpowers?
6. What is the total worldwide capacity of nuclear power today?
7. Visit <http://www.acfonline.org.au/default.asp> (Australian Conservation Foundation). Read the article: Uranium policy a hypocrisy (The Age):
http://www.acfonline.org.au/articles/news.asp?news_id=2486

Comment on this article in the context of the information presented in *Uranium* by Zoellner.
8. Visit the site: <http://aua.org.au/> (Australian Uranium Association). How would you characterize this organization - informative and neutral, against removal of uranium, for the removal of uranium?

