

Bonus (based on 11/13/08 talk by Dr. Lois Ongley) -5 points

- 1) Arsenic typically is found in the +5 redox state (As^{5+}) and yet when it is found in water it is usually found as part of a negatively charged complex. Why?
- 2) Name two health consequences from over exposure to arsenic in drinking water.
- 3) What was the source of the arsenic contamination (in the drinking water) for the parts of the Zimapan valley that were most heavily contaminated with arsenic?
- 4) Based on Dr. Ongley's studies, she proposed a simple way for people living in the valley to remediate the Arsenic levels in their drinking water. What was it?

Email answers to Dr. Bagley at bagleyka@buffalostate.edu.

Deadline: Friday November 21, 2008.