Name:_____
Blk:_____Date:_____

Chemistry 12
SOLUBILITY LESSON # 9
Removing Pollution and Hardness from Water by PRECIPITATION

Before attempting this assignment please read pgs 102-105 in HEBDEN

1. Under certain conditions biological systems can tolerate certain metallic ions. Give the conditions and examples of ions that are toxic to biological systems.

2. Explain the technique used by industrial mining operations to remove undesired metal ions from their "waste water".

3. Explain, in detail, where "hardness in water' comes from.(Use equations to support your answer)

4. List the THREE effects that "hardness in water" has on water.

5. Explain the most common method used to "soften water".

6. Explain the difference between the terms "Temporarily Hard Water" and "Permanently Hard Water".

Seatwork/Homework: Exercises 76- 80
PLO's: H7