Name: Date: Class:

Pepper Extraction Model Example

Directions: On the schematic below, create a model to show what you understand about the activity. Do this by drawing diagrams/pictures and adding captions that explain the scenario. Make sure your model can answer the following questions:

- 1. What overall problem are environmental engineers trying to solve?
- 2. How are we doing this safely in class?
- 3. What are our criteria?
- 4. What are our constraints?
- 5. Is there any key vocabulary?

Overall Problem:

mining is bad for the environment, and we use toxic chemicals to separate unwanted metals from the rare earth ones. we are trying to find better ways to extract metals from the chemical solution. We are using salt, pepper, sugar, and water to mimic this.





