

Date:

## Wednesday Challenge Form

Group Members: Nicolas, Edgar

**Problem Statement:** Students are to form pairs and create a water filter by Friday. The container for the filter will be provided by Mr Miller, and the filter can only be made with the materials found on CV's campus.

**Approach:** Cotton to plug the cap; first layer is charcoal; second layer is sand/pebbles; third layer is grass; fourth layer is rocks. Apply the layers correspondingly to a 2 L bottle standing upright.

**Solution:** Maddie's team won the challenge. She used less components than most groups. As a result, she had a faster time than most. My group used a lot of unnecessary components and still ended up with dirty water.

**Lessons Learned:** Rubrics are important to consider when conducting a challenge.