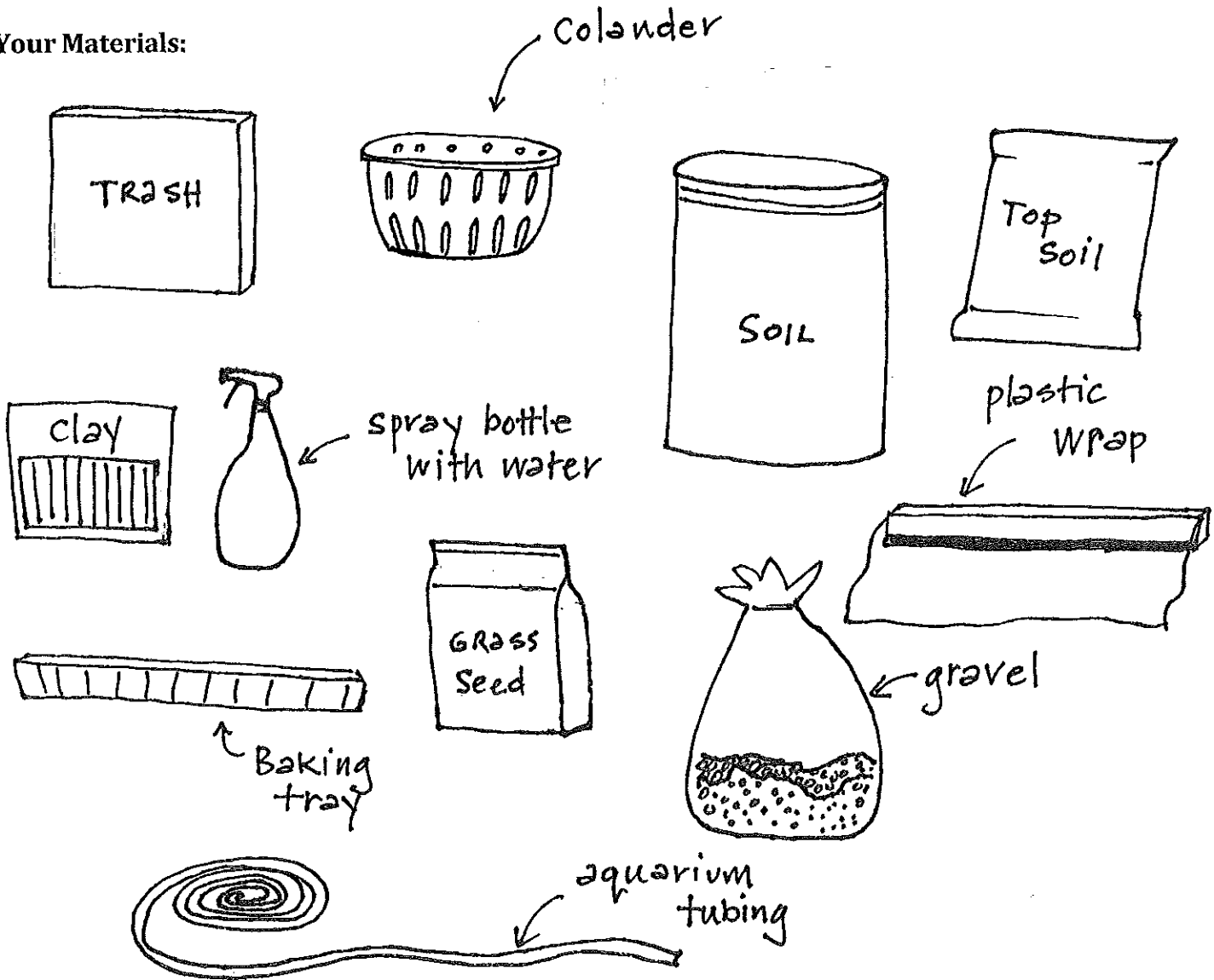


Build a Dump

Your team has to use the following materials to design three landfills: an open dumping landfill, an open sanitary landfill, and a closed sanitary landfill. As a team you will have 10 minutes to discuss how you would use your supplies. You need to create quick sketches. As a class we will choose the best, and most accurate design for each landfill type. You may use your book to help you brainstorm. Once the best designs are chosen you will be broken into three teams and you will build the landfills. Once they are complete, answer the discussion questions. These landfills will run for at least a month, and possibly longer.

Your Materials:



Discussion Questions:

1. Why were there holes in the crates? How is this similar to a real landfill?
2. What will you use the spray bottle for?
3. Where will you see leachate in each landfill?
4. What problems do you see in each landfill?
5. Are there any other factors a real landfill design must take into mind?
6. Hypothesize what you will observe at the end of 1 month and 3 months for each model landfill.