

A family would like to reconfigure their home to use less pure water.

**GOAL:** Design a process for reusing water in their home.

**CRITERIA**

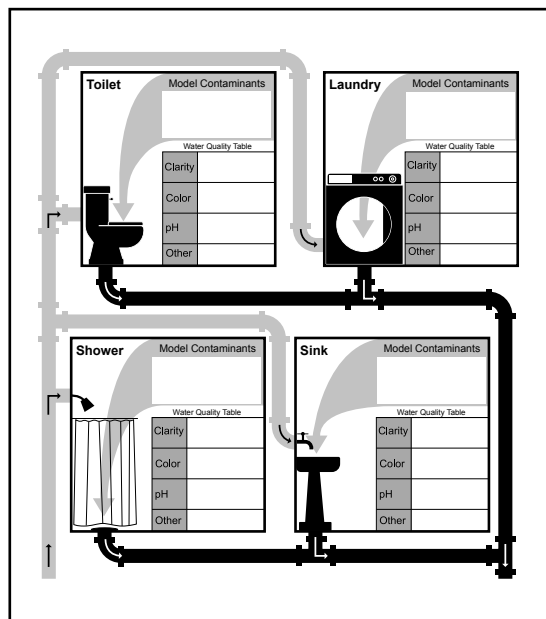
Things you or your design needs to do

- You will work in groups to design your process.
- Each location must have water going in and coming out.
- Greywater must be used at one or more locations.
- You must represent filters with modeling clay.

**CONSTRAINTS**

Ways you and your design is limited

- You will have only five straws of each color and half a stick of modeling clay.
- One filter can *improve* water quality by only one level.
- You cannot reuse toilet water.



The old pipes