

## **Do-It-Yourself Grey Water Filter**

- 1. Get a container such as PVC pipe (about 18" long) 2 liter plastic bottles, plastic buckets (kitty litter), milk jugs...any plastic container that will hold the amount of water you are going to filter.**
- 2. Pokes holes in the container starting at the bottom to approximately 1/3 up the container.**
- 3. Pour clean washed pea gravel up to the same as the holes.**
- 4. Put in a filter such as cotton, coffee filter, wool, or felt.**
- 5. Pour in about 3" of activated charcoal.**
- 6. Pack in 3 to 4" of sand. The harder you pack the sand the better filter cleans your water.**
- 7. Next build your schmutzdecke with mulch (leaves, dry grass, small twigs, and etc.) as the final layer for your filter.**
- 8. Dig the filter into the ground so that the holes are in the ground are covered and the water goes directly into the soil. Watch your plants grow!**



**Now you can capture your own grey water in a 2-5 gallon bucket and carry to your portable filter in your garden boxes. Brought to you by the:**

**Schmutzdecke Schemers  
Team 4700  
Spokane, WA**