

## What about rotation?

It is recommended that water be rotated every six months.

## Treating water of questionable purity:

1. Filter the water to remove as many solids as possible. Coffee filters, cheesecloth, or several layers of paper towels work well.
2. Bring the water to a rolling boil for a full 10 minutes.
3. Let it cool for at least 30 minutes. Water must be cool or the chlorine you add next will dissipate and be rendered useless.
4. **Add 16 drops of liquid chlorine bleach per gallon** of cool water, or **8 drops per two-liter bottle**. The only active ingredient in the bleach should be 5.25% sodium hypochlorite, and there should be no added soaps nor fragrances.
5. Let it stand for 30 minutes.
6. If it smells of chlorine, you can use it. If it does not smell of chlorine, add 16 more drops of chlorine bleach per gallon, let it stand for 30 minutes, and smell it again. If it smells of chlorine, you can use it.

If it does not smell of chlorine, discard it and find another source of water.

## Distillation - A second method of purification:

1. Fill a pot halfway with water.
2. Tie a cup to the handle on the pot's lid so that the cup will hang right-side up when the lid is placed upside-down on the pot (make sure the cup is not dangling in the water).
3. Boil the water for 20 minutes. The water that drips from the lid into the cup is distilled.

This method allows the vapor resulting from boiling water to collect in the cup. This condensed vapor will not include salts or other impurities.

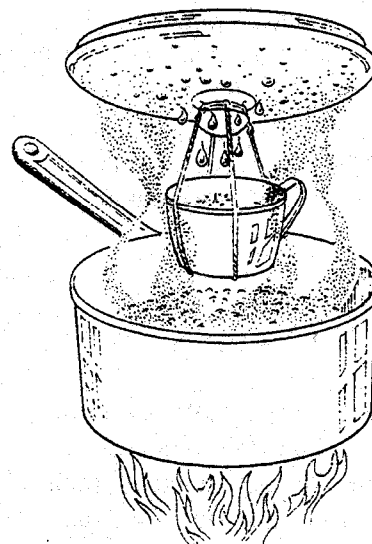
## Additional information:

- The only thing that should be used to purify water is liquid household bleach containing 5.25% sodium hypochlorite and no soaps or scents.

Other chemicals, such as iodine or products sold in camping or surplus stores ARE NOT RECOMMENDED AND SHOULD NOT BE USED.

- Boiling water kills bacteria, viruses, and parasites that can cause illness. Treating water with chlorine bleach kills most viruses, but will probably not kill bacteria. Therefore, boiling and then adding chlorine bleach is an effective water purification method.
- The only accepted measurement of chlorine is the drop. A drop is specifically measurable. Other measures, such as "capful" or "scant teaspoon" are not uniformly measurable, and should not be used.
- There is no difference in the treatment of potentially contaminated water that is cloudy or that which is clear.

SOURCE: FDA and EPA Report, 1994



**distillation is an effective method of water purification**

