

How to Sterilize Water With Sunlight

originated by: [Bassposaunist](#), [Jack Herrick](#), [Anonymous](#), [Lillian May](#) (see all)

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Every grown up human being needs about two litres of drinking water each day. It is very important to have pure drinking water. Otherwise you can suffer from diarrhea or even worse diseases. This article shows you how to sterilize water at no cost.^[1]

Steps



Clean the bottle. Remove anything in the bottle like dirt and on the bottle like a label.

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Check if the water, that you want to sterilize, is not turbid. If it is turbid, you have to [filter it](#).





Fill the bottle with water, until it is 75% full.

1. Put the cap on the bottle.
 2. **Shake the bottle 25 times.** By shaking the bottle you add more oxygen to the water. This will also improve the water's flavour.
 3. Fill the bottle until it is totally full.
 4. Put the cap on the bottle.
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Put the bottle in the sunlight. A good place is a reflective surface. The sun beams contain UV-A rays that can pass through the bottle and kill most germs in the water. The oxygen helps to amplify this process.

Wait. The amount of time you have to wait depends on the weather.

- If there are only **little clouds** in the sky, it takes **6 hours**.
- If there are about **50% or more clouds**, you have to expose the bottles for **2 days** to the sunlight.
- If it is **raining all time**, this method doesn't work. **Collect [rainwater](#)** instead.