

# Water Filtration

Four types:

## 1. Boiling

Boiling water is the old go-to for treating water while hiking, camping, backpacking etc. All you need is a fire safe container to hold your water, water from a source such as a stream or river, and a fire or stove. Simply bring your water to a rolling boil for one minute. If you are at an elevation above 6,500 feet, make sure to boil your water for 3 minutes.

While this method is the oldest, it takes time and uses up a lot of fuel. This is a great backup technique in case your filter breaks or you've run out of tablets or batteries.



## 2. Iodine Tablets

Iodine tablets are dropped into a container of water (there is a ratio between the water and iodine that will be listed on the bottle) to treat it. There is a wait time of about 30 minutes to let the iodine treat the water. There is also usually an aftertaste, so while this method is easy, there's a lot of down time and the taste isn't great.



## 3. Water Pump/ Filter

With the pump or filter system, you simply pump water from the source (river, stream etc) into a container. The filter will remove any protozoa and bacteria, and you are good to go. If the filter also has an iodine system built-in, it will kill viruses too.

#### 4. SteriPEN

The SteriPEN uses UV light to treat water. To use the SteriPEN, follow the directions below. All of Outdoor Rec's SteriPENs should have an instruction manual with them.



1. Remove lamp cover. **Note: sensors must be dry.**
2. Push on/off button **twice** for up to 0.5L, or **once** for 0.5 - 1L of water, the green LED will flash for 15 seconds indicating that the SteriPEN is ready to use. **Note: this step must be completed BEFORE immersing the lamp in water.**
3. While the LED is flashing, dip the UV lamp into the water until the lamp and water sensors are completely immersed. When the water is detected, the UV lamp will automatically light. **Note: if the SteriPEN doesn't light up, then the water should not be consumed.**
4. Agitate the water by stirring the SteriPEN until the lamp turns off. The green LED will turn on to indicate that the dose is complete. **Note: if a red LED turns on after the lamp shuts off then the dose is incomplete and the water either needs to be retreated or is not consumable.**
5. Remove the SteriPEN from the water. Dry off the lamp and water sensors with a clean cloth and replace the lamp cover.

The Steripen is great for shorter trips where you don't want to have to carry a bulky filter