



Earth Day 2008



Southern
DataStream



Intelligentsia International, Inc.



TETRA TECH



Your Family Can Save Money by Drinking Tap Water

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How bottled water wastes energy !



Create bottles & bottle the water.



Truck bottles over long distances.



Drive to the store to buy the water.

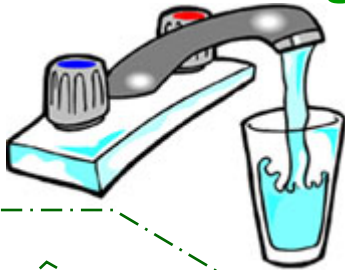


Drive back home with the water.



Create more trash.

Instead of doing this, you can instead...



simply open your faucet !!



Why does our tap water sometimes smell like a swimming pool?



Because of chlorine which is required by law for our safety.

Why is chlorine needed in tap water?

To kill disease-causing pathogens that may be in the water or pipes!



Pathogens can be bacteria or viruses. It is because of them that you sometimes get sick. Chlorine kills the pathogens (disinfection).

How to measure chlorine concentration?

We can measure concentration with a colorimeter.

- 1 mg/L=1 ppm (part per million)
- 1 mg/L=1 drop in a million drops of water
- 1 mg/L=5 drops (0.25 ml) in a half-full standard bathtub.





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How can I remove chlorine from my tap water?

Use natural sunlight (Ultraviolet Radiation) or an activated carbon filter!

- Just leave a jug of tap water next to a window for a few days and then store it in a refrigerator.
- Or, purify your tap water using an inexpensive activated carbon filter pitcher.

96% chlorine removal within 2 days

Day 1

Day 2



Sunlight (UV)



Sunlight is FREE!

Save Money!

Don't forget to put the water in a refrigerator after the sunlight treatment to keep it cool and safe!



Chlorine



Activated Carbon Filtration

For the best results:
(2 gallons a day)



DAY



100% removal for 40 gallons

Before filtration

- Chlorine
- Metals
- Organic compounds

After filtration

Healthy & great-tasting water

Using a filter costs between \$0.12 and \$0.35 per gallon.