

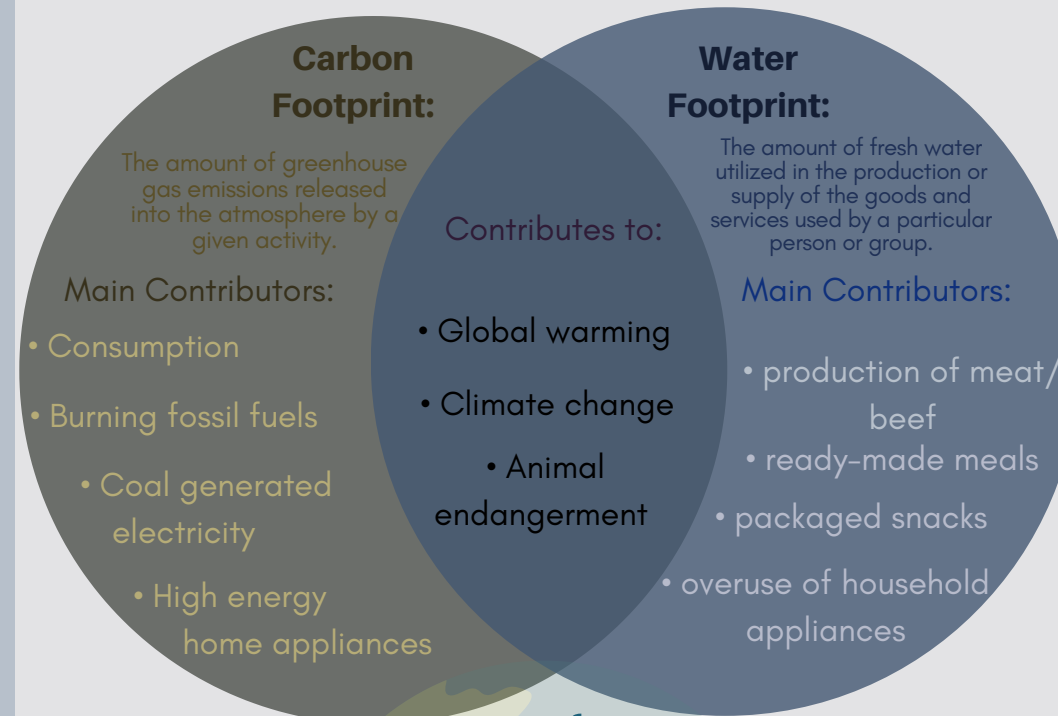
Understanding Water Distribution

Clean water is a necessity and a human right primarily being used for drinking, food, and hygiene. However, most people waste up to 30 gallons of water a day because they do not view water as finite resource.

Only three percent of the Earth's water supply is made up of freshwater, with only half a percent of that available for human consumption. Saltwater from the ocean cannot be consumed unless it is desalinated, which is a costly process involving a great deal of energy consumption.



Tracking our Steps



Fun facts:

- 300 tons of water are required to manufacture 1 ton of steel
- American use 5.7 billion gallons per day from toilet flushes
- It takes about 70 gallons of water to fill a bathtub

Scan below to calculate your footprints!



Carbon Footprint



WaterFootprint

Trivia Answers: 1)A, 2)A , 3)D

Conserving Earth's Water

"There will be no water by 2040 if we keep doing what we're doing today".

– Professor Benjamin Sovacool, Aarhus University, Denmark.



What the Future Holds



New technology can improve the possibilities for world wide water availability. In just decades, our world may face a global water crisis due to limited access to fresh, unpolluted water in developing countries. Without international cooperation, the consequences could include mass migration leading to another refugee crisis.



Scan above for more information!

Water Conservation Trivia!



1. Which habit wastes the most water

- A. Using the toilet as a trash can
- B. Leaving the water on while brushing teeth
- C. Running a half empty dishwasher
- D. Going to a car wash

2. Of the following appliances, which uses the most water?

- A. Showers
- B. Washing machines
- C. Baths
- D. Dishwashers

3. On average, how much water does an American family waste?

- A. 200 gal/ month
- B. 30 gal/ day
- C. 5,000 gal/ year
- D. 180 gal/ week

Making a Difference with Small Changes

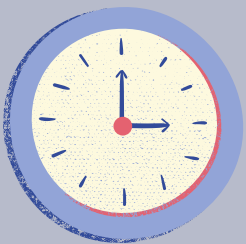
As humans live their day to day lives, we tend to unintentionally use much more water than what we truly need. Below are a few simple ways to save our Earth's water, and your money!



- Not all leaks make noise, so its very important to check commonly used appliances around your home. A drippy faucet can waste over 3,000 gallons of water a year



- Using a displacement device, like a water-filled bottle, in the toilet tank will reduce the amount of water required to flush.



- The average shower lasts about eight minutes. Since the average showerhead has a water flow of 2.1 gallons per minute, each shower uses more than 16 gallons of water!

1. How long do you spend in each shower?	= _____ minutes
2. Multiply that by the average shower flow:	x 2.1 gallons a minute = _____
3. Multiply your answer for #2 by the number of times you shower every week:	= _____ gallons per week
4. Multiply your answer for #3 by 52 weeks	= _____ gallons per year
5. Subtract one minute from your regular shower time.	= _____ minutes
6. Multiply that by the average shower flow:	x 2.1 gallons a minute = _____
7. Multiply your answer for #6 by the number of times you shower every week:	= _____ gallons per week
8. Multiply your answer for #7 by 52 weeks	= _____ gallons per year
9. Subtract your answer for #4 from your answer for #8	= _____ gallons saved per year!