

# Water Footprint Key

It is important to note that the numbers used in these matching games are from a variety of sources which use different methods to estimate water and energy footprint. Water and energy footprints vary greatly based on factors such as geographical location and production method. It is better to think of these figures as ballpark estimates.

There is also an [online matching game](#) available if you prefer not to print cards.

- ALL Bitcoin Use for One Year (Worldwide) = 1.6 trillion liters
  - Source: <https://www.thesourcemagazine.org/how-bitcoins-footprint-is-impacting-water-use/>
- Training GPT-3 = 700,000 litres
  - Source: <https://www.washingtonpost.com/technology/2024/09/18/energy-ai-use-electricity-water-data-centers/>
- ALL Google Searches in One Day (Worldwide, no AI) = 150,000 litres
  - Source: <https://www.independent.co.uk/climate-change/news/half-a-milliliter-of-water-needed-per-google-search-2014825.html>
- Making an Average Car = 148,000 litres
  - Source: <https://www.automotiveworld.com/articles/water-water-everywhere-vehicle-manufacturing/>
- One Smartphone = 12,870 litres
  - Source: <https://www.nsnews.com/living/photos-how-much-water-it-takes-to-create-30-common-items-6380910>
- One Pair Blue Jeans = 3,780 litres
  - Source: <https://www.unep.org/news-and-stories/story/cleaning-couture-whats-your-jeans>
- One Beef Burger = 2,000 litres
  - Source: <https://www.weforum.org/stories/2019/02/this-is-how-much-water-is-in-your-burger/>
- Two Slices of Bread (With Butter) = 720 litres
  - Source: <https://watercalculator.org/water-footprint-of-food-guide/>
- Downloading 1GB of Data = 200 litres
  - Source: <https://earth.org/water-needed-to-power-the-internet/>
- One Cup Coffee = 140 litres
  - Source: <https://www.nsnews.com/living/photos-how-much-water-it-takes-to-create-30-common-items-6380910>
- Two Slices of Bread = 90 litres
  - Source: <https://foodprint.org/issues/the-water-footprint-of-food/>
- One Gallon (3.8 litres) Gasoline = 49 litres
  - Source: <https://www.nsnews.com/living/photos-how-much-water-it-takes-to-create-30-common-items-6380910>
- One Day of Human Life = 19 litres
  - Source: [https://www.who.int/water\\_sanitation\\_health/emergencies/ga/emergencies\\_ga5/en/](https://www.who.int/water_sanitation_health/emergencies/ga/emergencies_ga5/en/)
- One Piece of Paper = 5 litres
  - Source: <https://watercalculator.org/footprint/the-hidden-water-in-everyday-products/>
- One 100-Word Response from ChatGPT = 0.5 litres
  - Source: <https://www.washingtonpost.com/technology/2024/09/18/energy-ai-use-electricity-water-data-centers/>
- One Google Search (No AI) = 0.0005 litres
  - Source: <https://www.independent.co.uk/climate-change/news/half-a-milliliter-of-water-needed-per-google-search-2014825.html>

