

## Idea - Virtual Water

## Virtual Water (Hidden Water/secret wa is all the water needed to produce a

 oroduct from start to finish that you don't see!int is a measure of ine amount of water used directly e.g. for drinking, washing, cooking etc. or indirectly to produce what you eat wear and use in your everyday life

It can be calculated for an individua person, a process, a product's entire value chain or for a business, a river basin or a nation!

## Why is this useful?

-Virtual Water indicates the pressure we exert on our freshwater resources. action toward sustainable, efficient a acuitable water use


## Virtual Water Hunt

Guess the virtual water content of everyday products in
your home.
What do you need? Hunt for some of the products below in our house (you do not need to find Jeans, paper (1 A4 Sheet), sugar, rice,
milk, potato, beef, tea (one cup of tea), beer, apple, banana, coffee, shirt, pasta, pizza (margarita), pork, chocolate, egg, bread (1 slice) and the product you are investigating in kilograms/kg's/a bag of sugar) Get a pen/pencil (rubber, if you want to use the sheet again) and paper.


WHAT TO DO...
Draw a table with 3 columns (product, virtua water in litres $/ \mathrm{kg}$, point) and rows for th Think about how much virtual/hidden/secret water is in each product. When you're ready: i) put them in order, starting with the products you think have the most water involved in making them, down to the products with the ii) guess the total number of litres you think are involved. For answers you can check the below and/or
Answers (no peekinc!)...

The answers* are put in order of lirres per kg of a product with some examples of single servings provided to help
Understand scale. See below and the Grean-schools Virtual Water Infographic (click here)


 $\mathrm{kg} / 160 \mathrm{~L}$ for one), potato ( 290 l per $\mathrm{kg} / 1 \mathrm{large}$ bag of frozen chips
Some ways to reduce your indirect water footprint:

- Buy food/drink with lower viritual water content when possible
Buy food/drink with hower viritu
- Don't buy what you don't need
Buy second hand
- Buy second hand
- rrint touble sided/use both sides of your page
- clothing thar's made from organic or recy
*Answers taken from hitps://waterfootprint.org/en/

> conclusion...

Did you get close with your guesses? Did any of the answers surprise you? If so, why did they surprise you? Can you think of ways to reduce your direct and indirect water footprint?

Thanks for taking part, keep checking back for more tips, experiments \& activities with \#GreenSchoolsStayHome

