



Water footprint

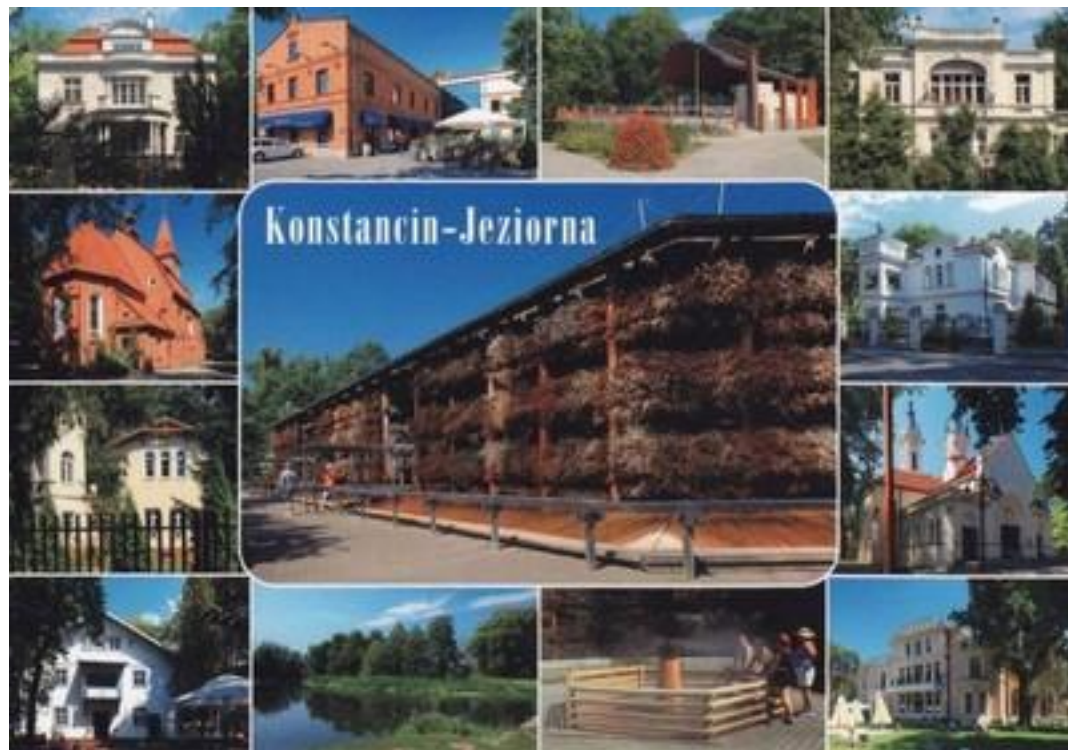
Project by Primary School no 1 in Konstancin-Jeziorna, Poland



Who are we?



Konstancin-Jeziorna

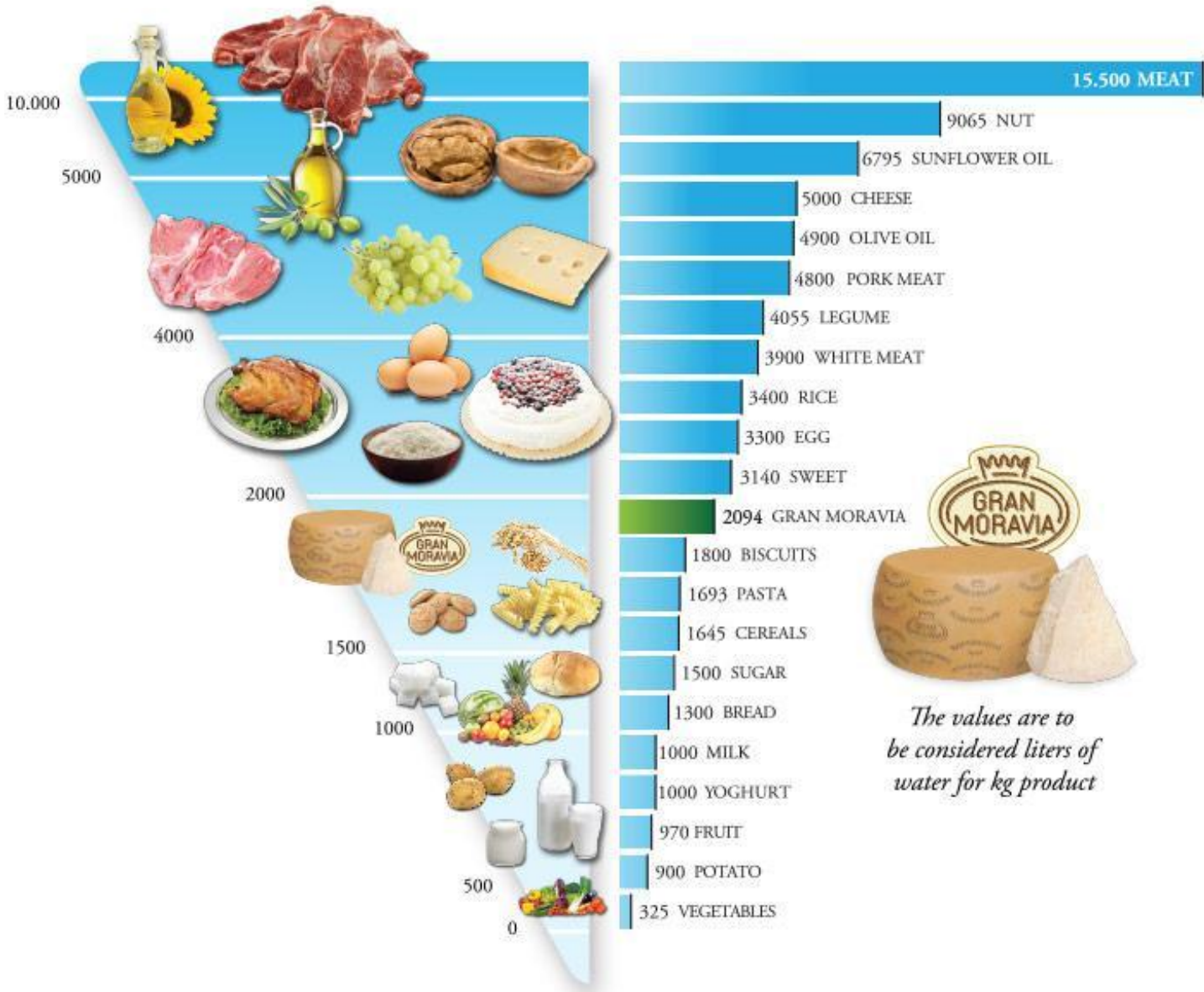


What is a Water Footprint?



- The Water Footprint is the first tool to measure how much of the Earth's surface and water is needed to produce the resources we consume every day.
- A Water Footprint can be calculated individually by determining the total amount of water used by a person in daily activities.

What is a Water Footprint?



- Everything we use, wear, buy, sell and eat takes water to make.

The values are to be considered liters of water for kg product



15,500 litres
1kg of beef



4,400 litres
1kg of olives



1,500 litres
1kg of sugar

Litres of water needed to produce things we eat, drink or wear

1 tomato
13
litres

1 potato
25
litres

1 cup of tea
35
litres

1 slice of bread
40
litres



ORANGES 1 KG

483 L



BEEF 1 KG

15 500 L

1 glass of wine
120
litres

1 glass of beer
75
litres

1 glass of apple juice
190
litres

1 glass of orange juice
170
litres



1 T-SHIRT

2 700 L



COCOA 1 KG

20 000 L

1 cup of coffee
140
litres

1 glass of milk
200
litres

1 orange
50
litres

1 apple
70
litres



1 JEANS

11 000 L



COFFEE 1 KG

21 000 L

1 egg
135
litres

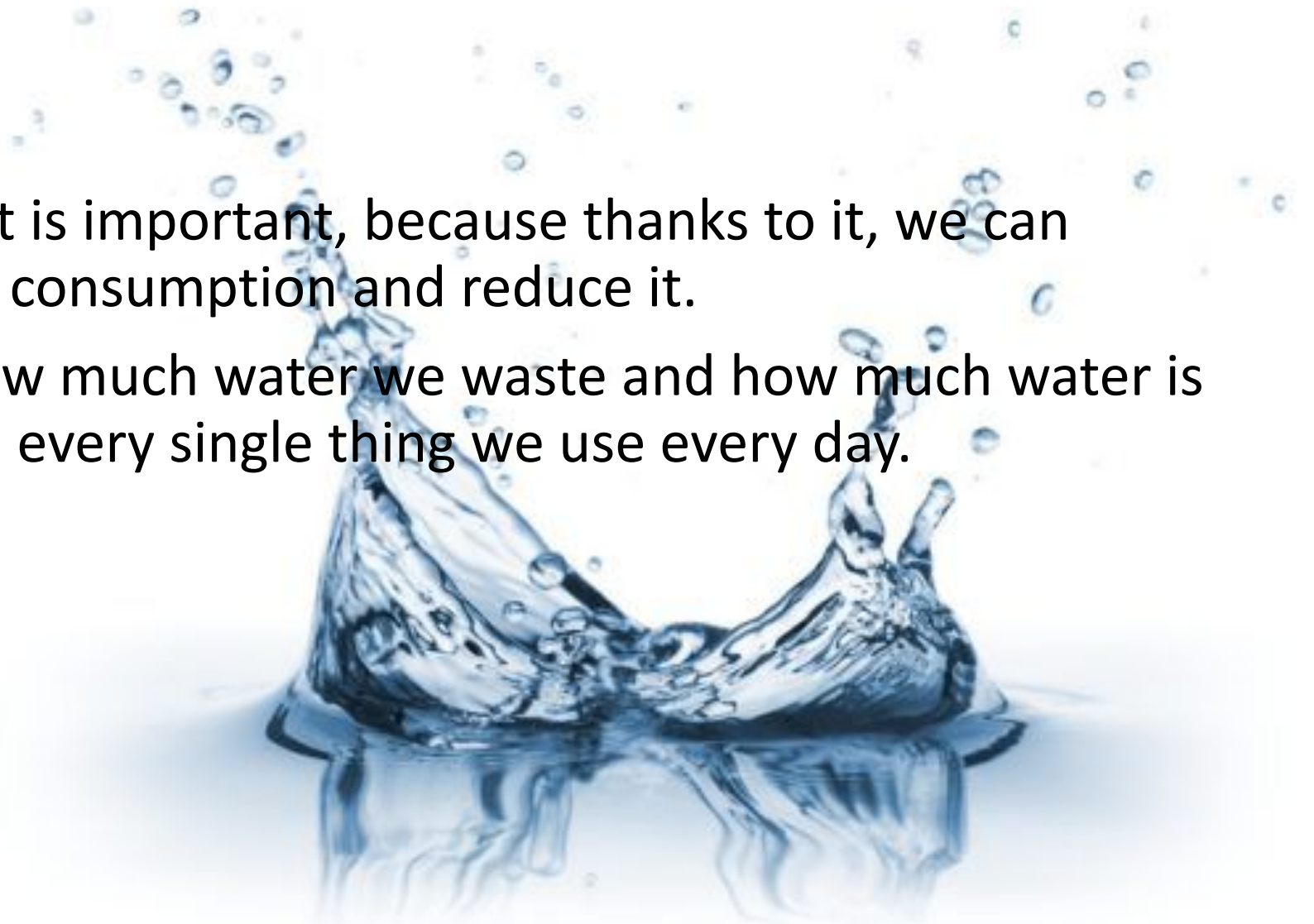
1 slice of bread with cheese
90
litres

1 bag of potato crisps
185
litres

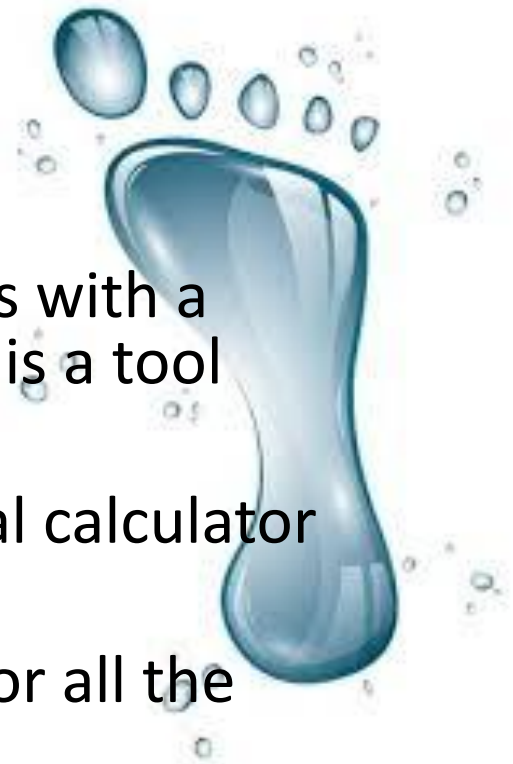
1 hamburger
2400
litres

Why is it so important?

- The water footprint is important, because thanks to it, we can evaluate the water consumption and reduce it.
- We can find out how much water we waste and how much water is needed to produce every single thing we use every day.



Project phases



- At the very beginning we acquainted the primary school students with a problem of wasting water. They learned that the water footprint is a tool which allows us to measure it.
- Students calculated their water footprint with the use of a special calculator <https://rankomat.pl/woda/#/>
- In the next stage the 8th grade students prepared the statistics for all the participants of the project.
- The next step was a class discussion. Students discussed their water footprints, compared them and discussed how they could reduce their water footprint.
- Finally, students were asked to complete a survey.
- **FINAL STAGE:** In May students will be asked to calculate their water footprint again. The results will be compared to the initial findings.



Example result sent by one of the students.
Your direct water footprint: **365** liters per day

Your water footprint: **1872** liters per day

Water footprint results



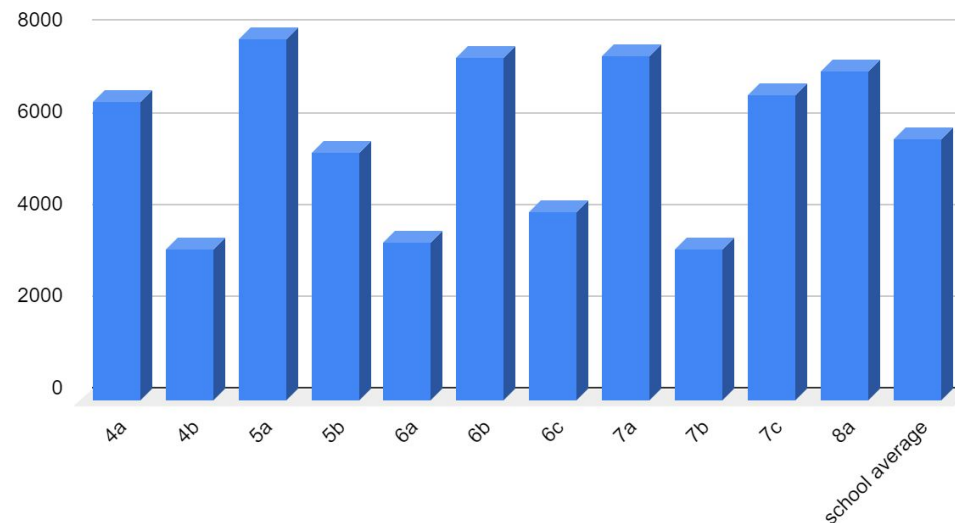
Average water foot print of the classes (litres per day)

4a	4b	5a	5c	6a	6b	6c	7a	7b	7c	8a
6491	3258	7842	5388	3406	7431	4068	7471	3268	6650	7138

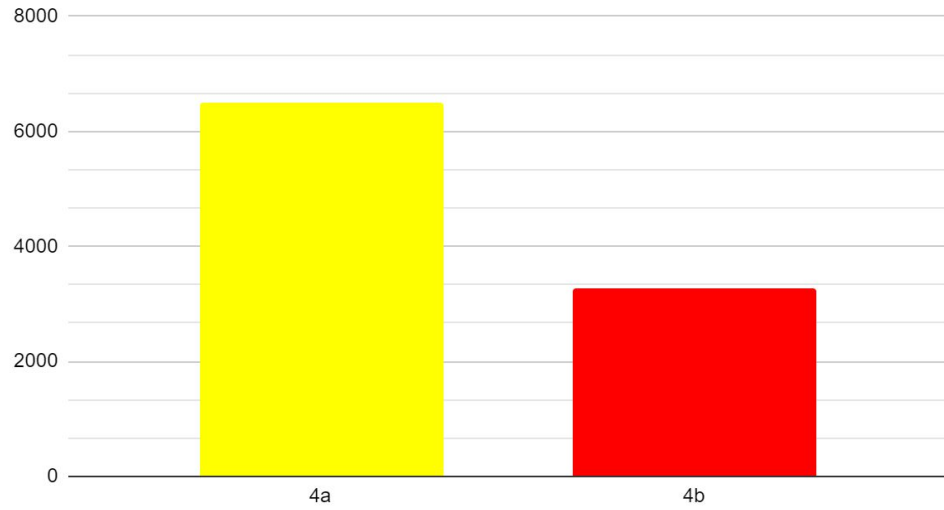
The highest result **43 063**

The lowest result **877**

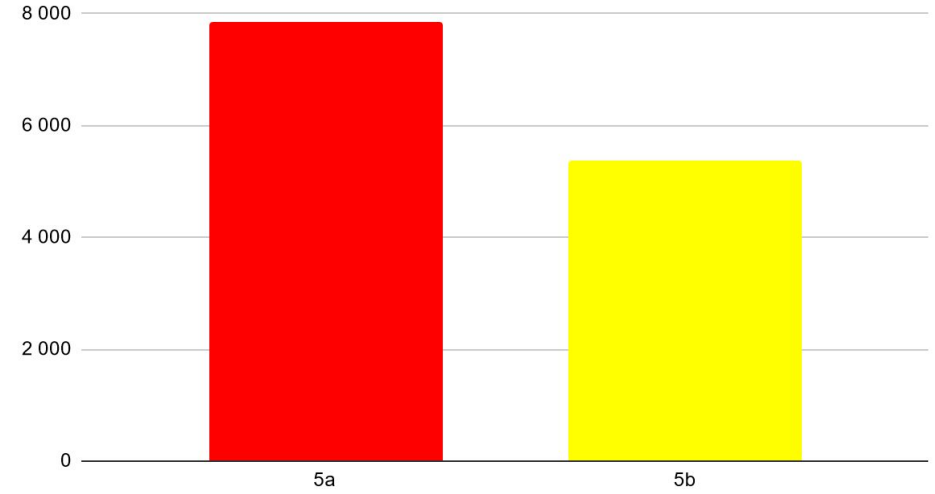
Average water footprint for all participants



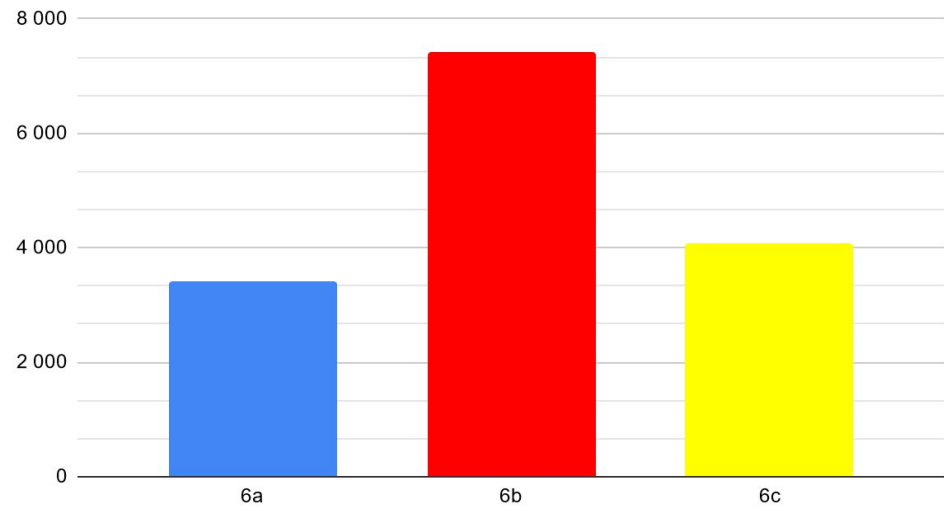
Average water footprint for grades 4a and 4b



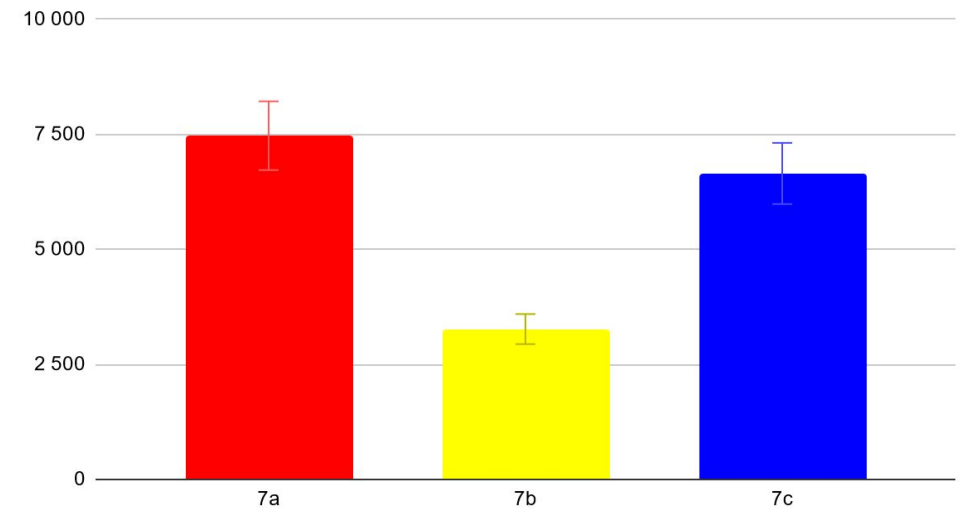
Average water footprint for grades 5a and 5b



Average water footprint for grades 6a, 6b and 6c



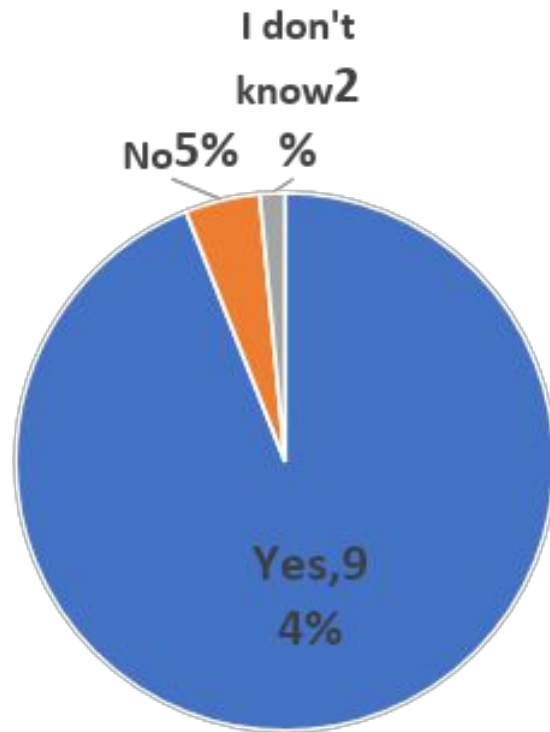
Average water footprint for grades 7a, 7b and 7c



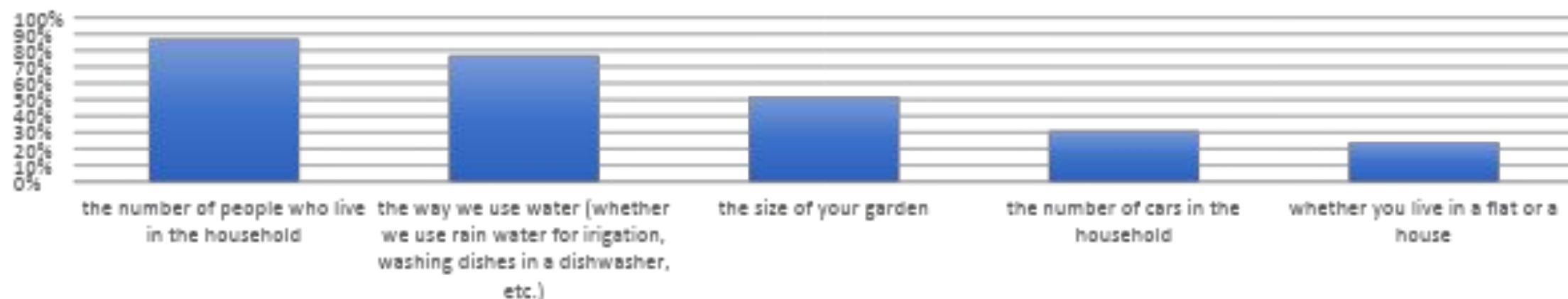
The survey results are as follows:

- **94% of students think that the issue of Water Footprint is important**

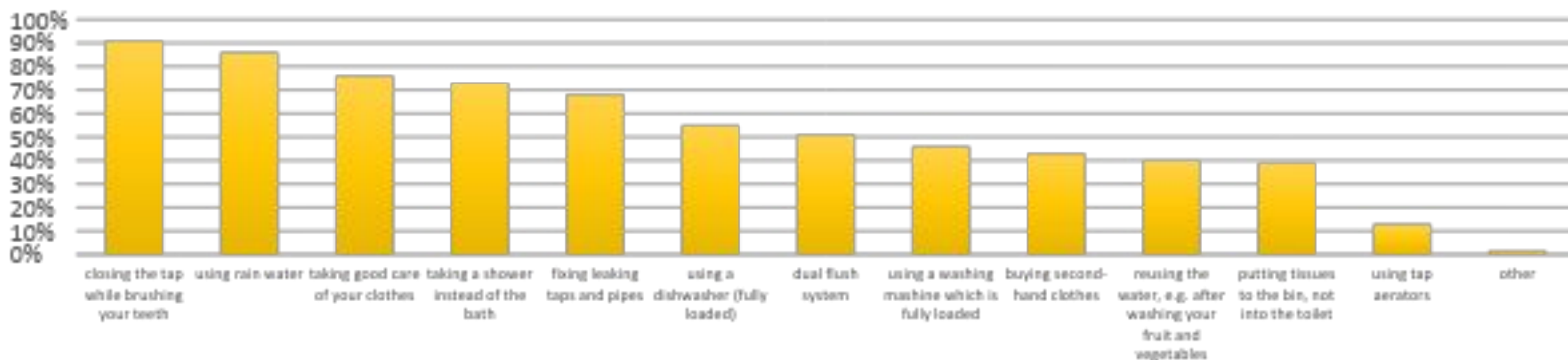
Do you think that the issue of Water Footprint is important?



What does water consumption depend on in a household?



How can you reduce your water footprint?



Thank you very much

