

Saving money and energy



LLG

Joint project 2008-2009

Ptuj-Veszprém



Summary of the Hungarian
students' team project results

Our team topics

- 1. Pedal powered laptop
- 2. „Energy” web magazine
- 3. Environmental friendly public transport
- 4. Teenagers’ saving habits
- 5. Tips how to save money
- 6. Savings at school
- 7. Savings in the household
- 8. „Thrifty towns” boardgame
- 9. Play dough film „Save the WORLD”
- 10. „Green” rap song

A pair of hands is shown holding a small, realistic-looking globe of the Earth. The globe is centered on the Americas, with North and South America visible in shades of green and yellow, surrounded by blue oceans and white clouds. The hands are positioned at the bottom and sides of the globe, with fingers gently gripping it. The background is dark, making the globe and hands stand out. Overlaid on the upper part of the globe is the text "Think a little, save a lot" in a bold, yellow, sans-serif font.

**Think a little,
save a lot**

Key of Accumulator-charging Trial Technology (K.A.T.T.)

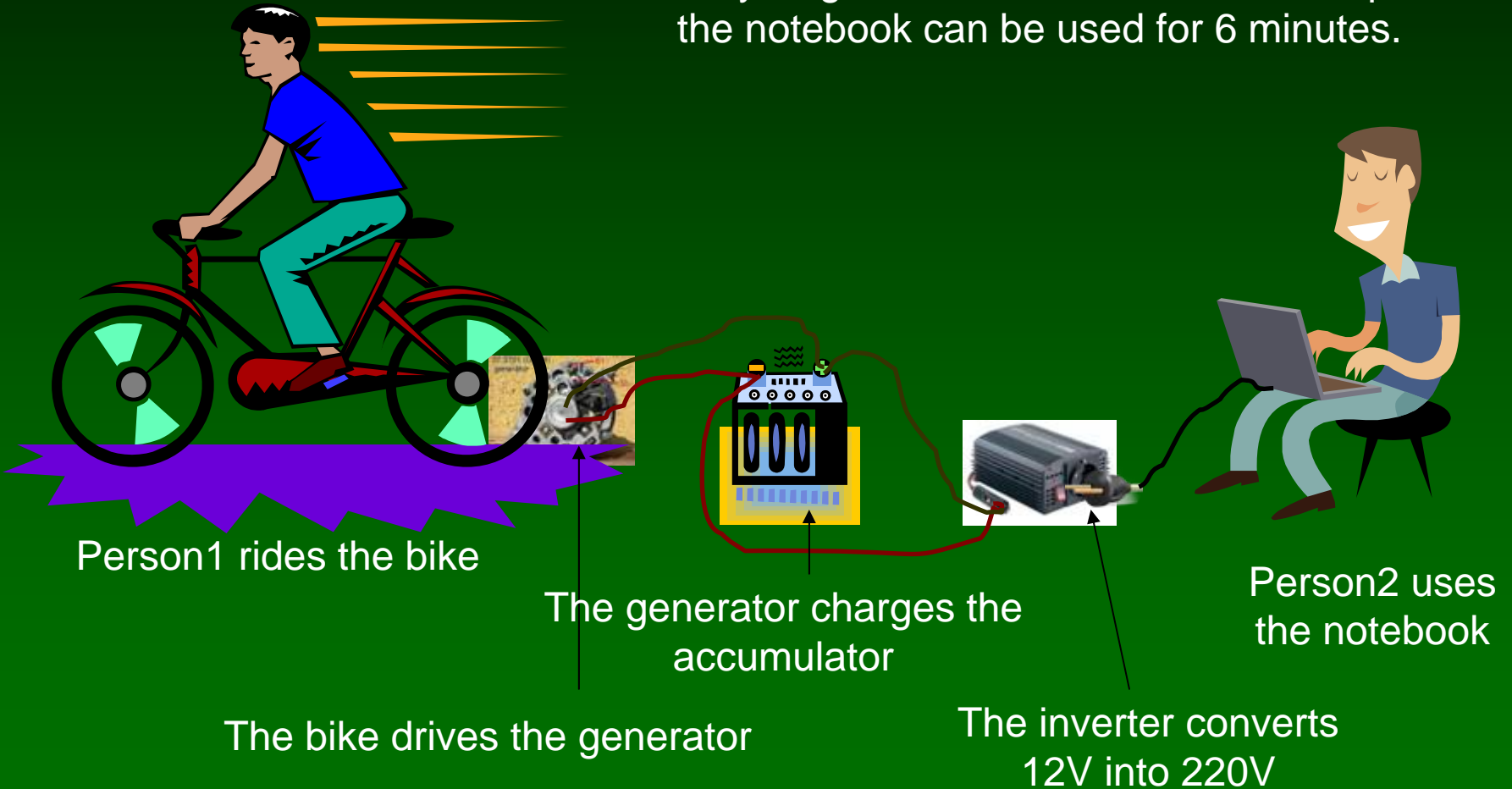


The making procedure

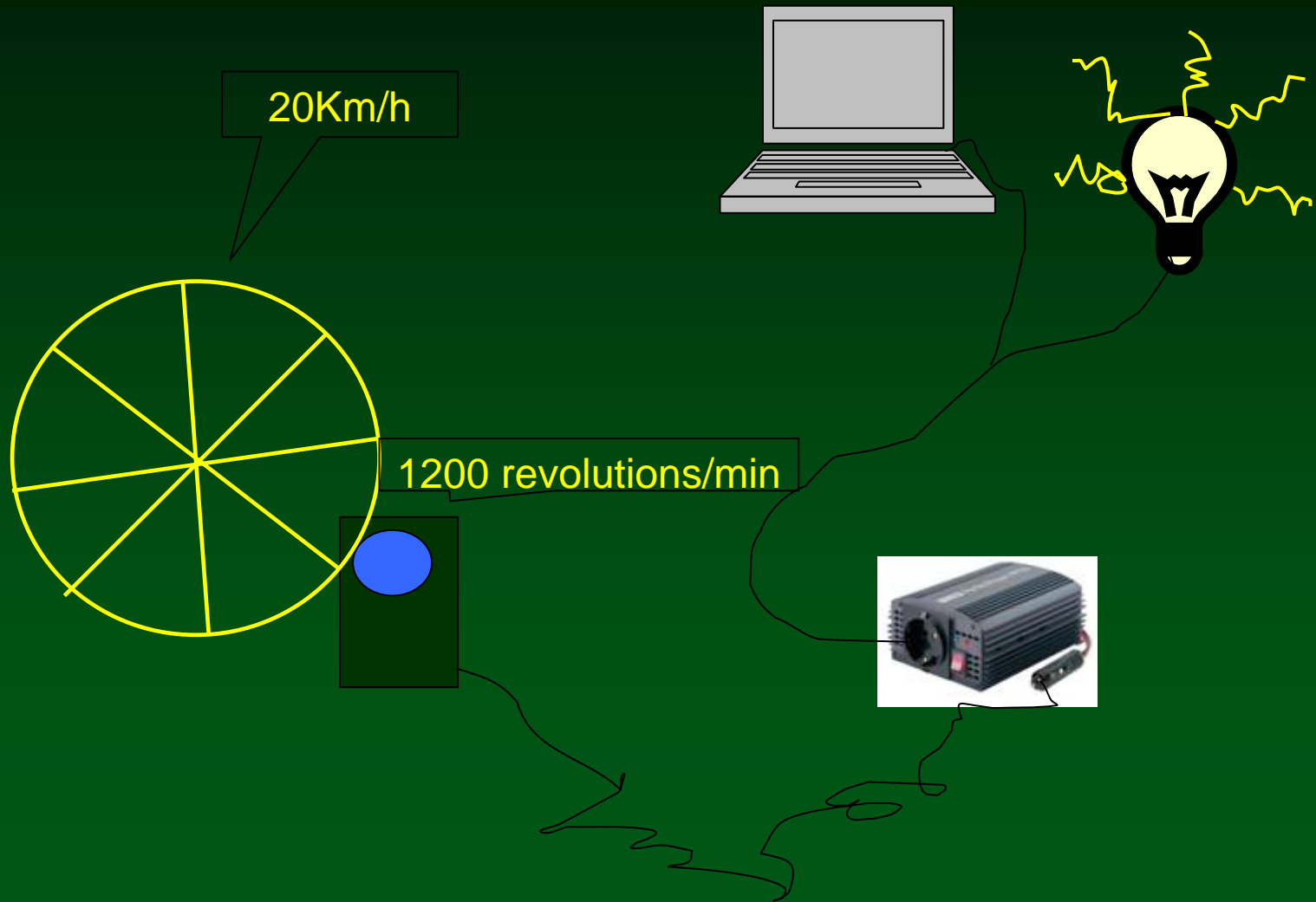


How does it work?

After cycling for 1 minute at comfortable speed the notebook can be used for 6 minutes.



System of K.A.T.T.





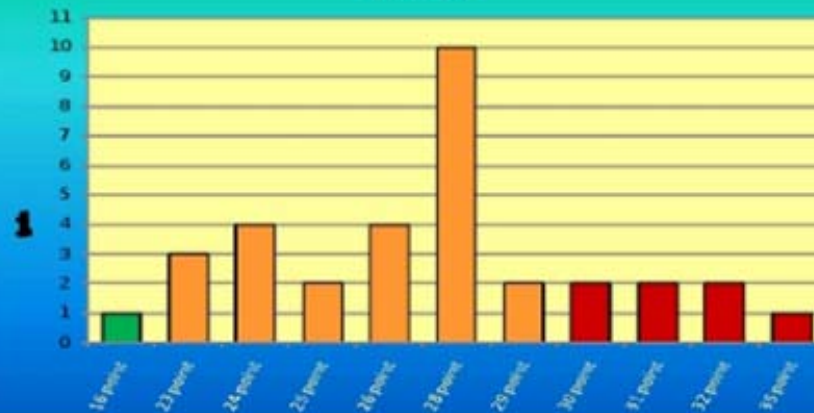


[HOME](#) | [TEST](#) | [TEAM](#) | [PROJECT](#) | [CROSSWORD](#)

How do you handle with the water?

test by: Borbas Katalin

RESULTS



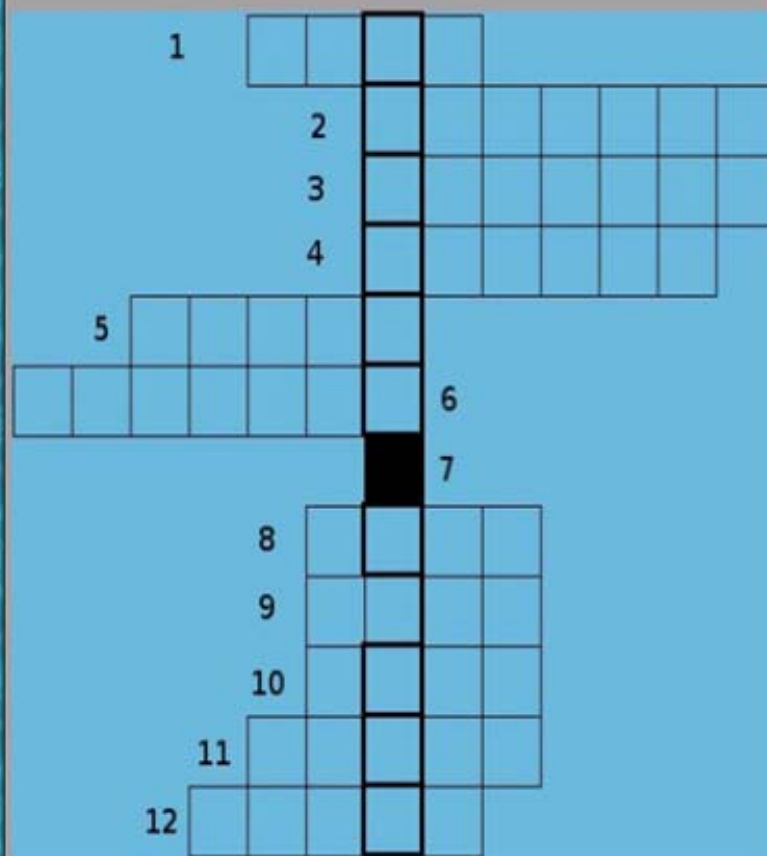
Your result are 16 points

You don not think that water-economization would be very important. Until you can turn on the taps and use the water there is no problem. But be careful! Due to the waste of it, very little supply has remained up to now. It depends on you, too, to save this quantity!

Some advice:

Crossword

CrossWord by: B. Katalin



1. There are many kinds of this animal in the water. The anglers wait for them.
2. The biggest ocean
3. Synonym of litter
4. A little area in the middle of the water
5. The biggest kind of still water
6. This caused the sinking of the Titanic
7. If you do that, you do not sink
8. It is a still water. In Hungary Balaton is the same kind of water like this
9. A kind of animal of the sea. It is called like the lights on the sky.
10. A kind of animal of the sea, too. Children usually collect them on the seashore.
11. A dangerous big animal in the seas or oceans. Some species can attack people as well.

Modern Times' Vehicles in Public Transport



The Methane Bus

- runs in Debrecen
- uses natural gas (95% is methane)
- pollution emission fits EURO III limit value
- first inserted into an Ikarus 280



Siemens Combino

- BKV (Budapest Public Transportation Company)
- 40 Combino trams – €136 million
- 350 passengers transported at the same time
- Regenerating braking system





How to save money?

10 tips and advice for teenagers

Let's examine a student's income

- Celebrations, Special occasions, Presents
- Pocket money
- Student job



Shopping

What do teenagers usually buy?

- Food/drink
- Clothes, perfumes, deodorant
- Electronic gadgets, CDs, books
- Pencils, exercise books, bus ticket



Entertainment

Where/What do youngsters often spend when they go out or do some sports?

Cinema/theatre

Beach
restaurant

Tickets

Fast food

Concert

Fun-fair

Club

Gym

Cigarettes

Festival

Drinks

Sport match



1.



Take your sandwich from home to school.

2.



Don't buy drinks and refreshments
at fast-food restaurants.

3.



Before you buy a piece of clothes,
compare prices at different stores.

4.



Agree to limit on giving gifts.

5.



Visit some second-hand stores where you can catch some awesome pieces for less than half the price.

6.



Don't smoke.

7.



Ask for useful presents.

8.



Wait for season-end sales if the item you want to buy isn't so urgent.

9.



New releases, New products...
just wait a little longer

10.



Buy online when it saves you money.

Decrease water consumption at school

Daily	Weekly	Monthly	Yearly
0,5 litres	3,5 litres	105 litres	1260 litres

Electricity consumption

Summer

4380 KW

Winter

12 317 KW

✘ Don't turn on the light
when it's not really necessary

✘ Turn off the lights
when you leave the room

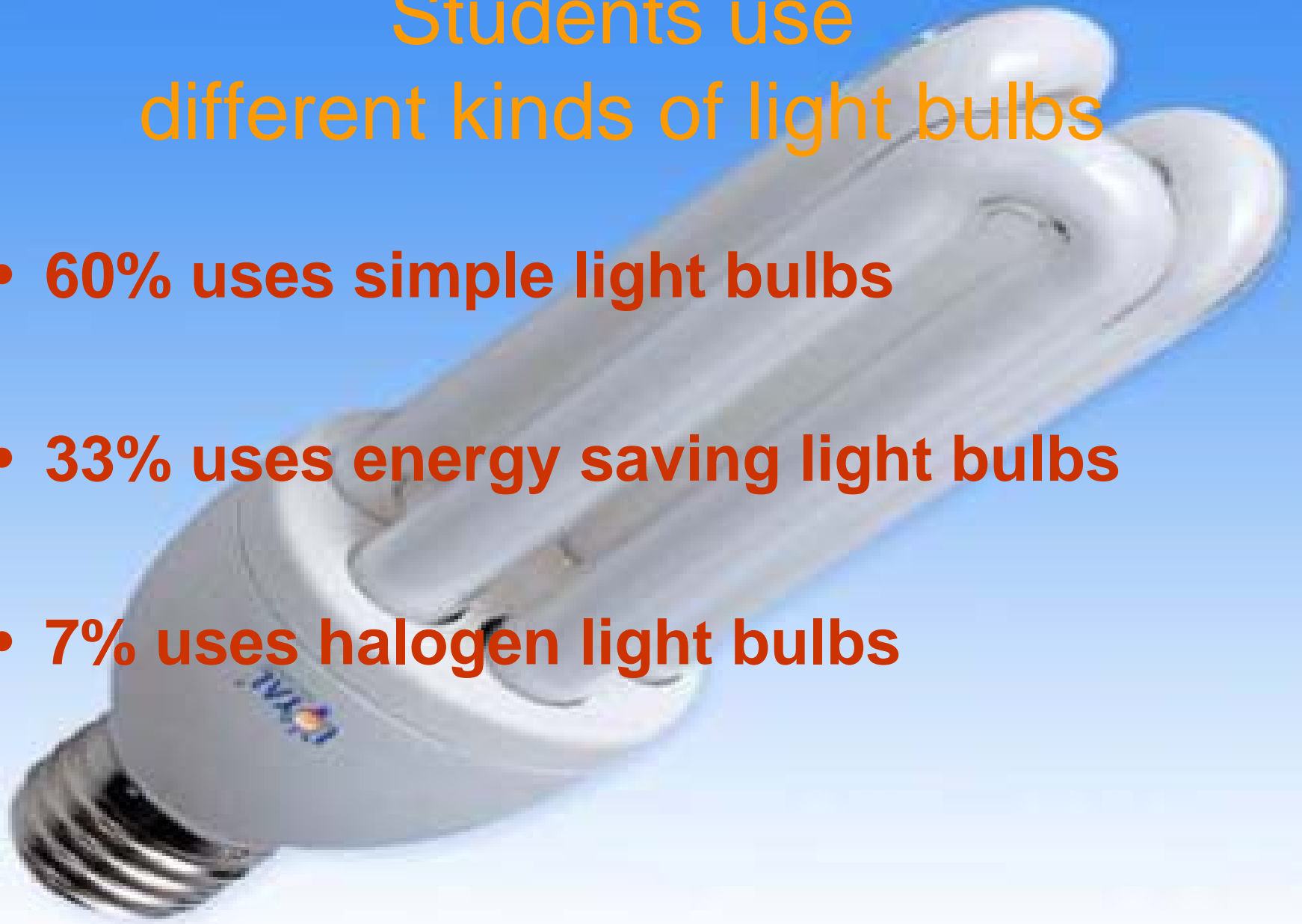


In our school there are selective rubbish bins,
so we can contribute to the recycling...



Students use different kinds of light bulbs

- **60% uses simple light bulbs**
- **33% uses energy saving light bulbs**
- **7% uses halogen light bulbs**



Saving energy when computers are not in use

- ***64% of students
switches them off***
- ***16% of students
leaves them in sleep mode***
- ***20% of students
just leaves them on***
- ***Sleep mode can save
0,04 KWh an hour,
70 KWh a year***



Saving vs wasting water

- *110 litres of water are used a day*

- **Drinking and cooking: 1-5 litres/person/day**
 - **Having a bath: 75-200 litres/occasion**
 - **Having a shower: 50-100 litres/occasion**
 - **Washing clothes: 40-100 litres/occasion**
- **Washing the dishes with dishwasher: 12-20 litres/occasion**
 - **Washing the dishes by hand: 40 litres/occasion**
 - **Washout of the toilet: 11-26 litres/occasion**
 - **Leaking tap: 40-120 litres/day**

Saving money



- An average family can save 400 Euros a year by saving energy.

Thrifty Towns



**Board
game**

Thrifty Towns



Board
game





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