

Water & Energy Worksheet

Name: _____

- How many people live (eat, sleep & bath) in your household? _____
- Estimate how much water **you** use per day. Use the approx. volumes given in the middle column or do some calculations and measurements.

Activity	approx. volume (litres)	Total for you per day
Flushing toilet	12 l per flush	
Shower	5-10 l per min	
Bath (calculate)	150 l	
Brushing teeth (running tap)	10 l	
Hand washing (running tap)	8 l	
Cooking	30 l	
Washing dishes (by hand)	35 l	
Doing laundry (hand wash)	80 l	
Total litres per day for you		

- What is the average monthly water consumption according to the municipal account?

Try to get the average consumption over the last 6 – 12 months.

- Do you use municipal water to water your garden? _____

- Have you got a swimming pool on your property? _____

- In your garden at home are:

Most of the plants indigenous? Yes ☐ No ☐ no idea ☐

- What is the advantage (water-wise) of planting indigenous plants?

- Do you drink bottled water? Yes ☐ No ☐ sometimes ☐
If "yes", why?

- It is estimated that people in rural areas without running water use 20 l per day. What would you do if you had only 20 l of water per day?

- How much do you pay for 1000 l of water? _____

Energy Consumption

- Estimate how much energy you use in your home for the following appliances per day; power consumption is given in brackets. Multiply by the number of hours you use it daily. Do an estimate for the lights you use every evening. If you use another source of power, please name it.

Appliance	electricity	other
TV (100 W)		
Cooking (stove – 3 kW)		
Microwave (3,3 kW)		
Hot water geyser (3000 W)		
Air conditioner (600 W)		
other appliances such as radio, hair dryer, etc (9 W)		
Computer box (80W)		
Computer - LCD display (34W)		
Laser printer (500 W, 17 W on stand-by)		
Total		

- What is the average monthly energy consumption according to the municipal account?

Try to get the average consumption over the last 6 – 12 months.

- How much does 1 kWh of electricity cost? _____

- Are you aware of Eskom's rebate system for solar geysers? _____