

Tracking down “energy hogs”

Question

How do you explain the differences when heating water with different devices?

Answer

Depending on the device and its design, a portion of the heat is not transferred to the water, but released directly to the surroundings. In terms of efficiency, the immersion heater should be better than the electric kettle and the hotplate. An induction stove should be just as good as or better than the immersion heater.

Question

On the basis of general sources and your measurements, what percentage of the annual energy consumption of a household do you estimate could be saved by switching off all stand-by devices?

Answer

A television consumes approx. 100 kWh per year in stand-by mode. The total stand-by consumption of the entire household depends on the type and number of all devices and appliances.

Question

How could energy consumption by PCs be decreased?

Answer

You can reduce the energy consumption of a PC, for example, by activating the PC's energy-saving functions. If you are not using the PC, you should shut it down immediately and turn it off completely. Use PCs with energy-saving processors (full power switched on only when needed). Use only PCs with highly efficient power supply units (higher efficiency under load, minimum loss in no-load operation).

Question

How can you reduce power consumption at home?

Answer

Do not leave devices in stand-by mode, use energy-saving light bulbs, turn off lights during the day, make all persons in the home more aware of economical use of energy, use electrical appliances of energy efficiency class A, etc.