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Ecodesign of electronic devices

Unit 12: Example of electronic device production process

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1.1 Quiz

- PLEASE, CHOOSE THE CORRECT ANSWER:
 1. Does energy consumption influence the ecological efficiency of the device?
 2. When choosing device components with the precise specification, we choose devices that are ecologically cleaner even if they have worse characteristics and do not meet all criteria?
 3. Can size of microcontroller from the same family influence device efficiency?
 4. Can size of microcontroller from the same family influence device reliability?
 5. Is microcontroller clock speed proportional to the used energy of the microcontroller system?
 6. Does closed-loop control provide removal of interferences in the system?
 7. Is open-loop control more complex than closed-loop control?
 8. Does production of different controlling electronics influence valve control?
 9. Does production of different controlling electronics influence the ecological efficiency of the device?
 10. Is the second prototype more efficient than the third prototype?



1.2 Assignment

From the given materials, describe which ecodesign guidelines have been used when designing laboratory equipment for controlling low flows. Which ecodesign guidelines were not considered and what suggestions do you have for an upgrade?

