

Questions as oponent for Energy converter

You showed to us your nice solution for the converting mechanical to electric energy.

**Have you any calculation or proof that this is as much as possible?**

In case if the reporter calculates the maximum voltage from  $mgh = \frac{1}{2} CU^2$

Do you know that one can write the energy of a charged capacitor as  $W = \frac{1}{2} QU$  ?

Do you know that the formula for the energy done in electric circuit is  $W = QU$  ?

Didn't you draw **any conclusions** from this formula?

Why did you not calculate the kinetic energy at the end of the motion?

In case of using a dynamo or a generator:

Did you do any calculation which would be the best ratio for the number of windings for the transformer?

Why is it false to say that it must as great as possible?

( Energy losses in the ohm resistance, more windings more losses)

What was inner resistance of your voltmeter and why do you think that is an important question for this experiment?

Have you done any computer simulation for the energy losses in the ohm resistance?

In case that the Mass of falling body is not 1 kg:

The task was to take 1 kg!

Can you prove that mass is a kilogram? ( if can't measure it easily, if the weight is some apparatus)