

Problem

Answer the following questions.

- (1) Propose your original energy conversion device that transforms one type of energy to another one and explain its outline clearly using figures.
We will appreciate your original idea, which does not appear in any web sites or in any books.
- (2) Explain the principle for the energy conversion device proposed in (1).
A clear explanation will be highly evaluated.
- (3) Discuss the originality of the device proposed in (1).
- (4) Suppose that you have to measure accurately energy conversion efficiency of the device in (1). Propose an appropriate method of the measurement.

Note: The grade is determined based on scientific knowledge, creativity, originality, and abilities for explanation and construction. Direct copy and paste from web sites and/or books is not allowed.