

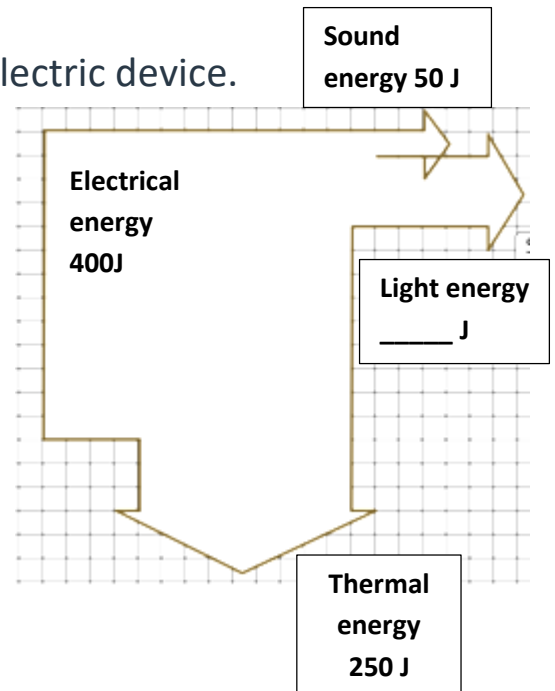


Name:

Subject: Science/ Physics
Worksheet 3 : Sankey diagram
Grade 6 CS (B C D E F)

Date.....

The picture shows a Sankey diagram for an electric device.



Answer the following questions according to this picture.

Question 1 :

a) What is/are the useful and the wasted energy?

Useful: _____.

Wasted: _____.

b) The type of input energy for this device is: _____.

c) Calculate the amount of light energy in this device:

_____.

d) The total amount of output energy in this device is _____.

c) The amount of input energy in this device is: _____.



Question 2:

Is the device represented by the Sankey diagram shown in the picture efficient or inefficient?

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Why?

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Question 3:

This Sankey diagram represents the energy transfer taking place in an electrical device. Which electrical device can it be?

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