

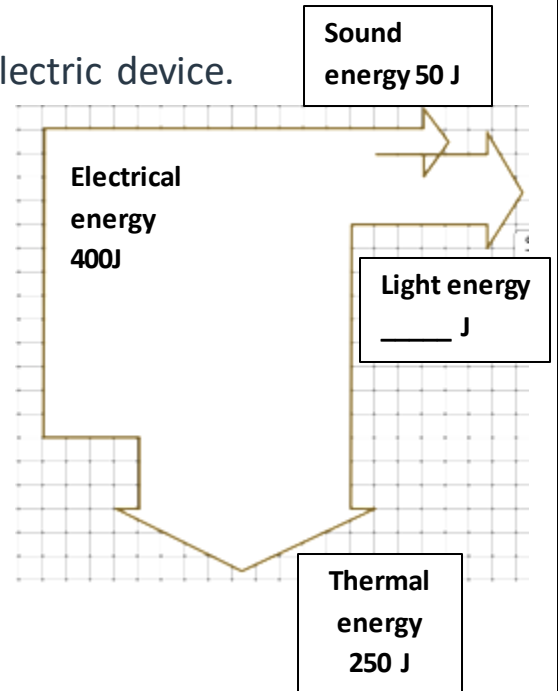


Name:

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?

.....

Why?

.....

Question 3:

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

.....