

The National Orthodox School/ Shmaisani

Name:	Subject: Science/ Physics Worksheet 3 : Sankey diagram
Date	Grade 6 CS (B C D E F)
The picture shows a Sankey diagram for	or an electric device. Electrical
Answer the following questions accord to this picture.	energy 400J Light energy
Question 1 :	
a) What is/are the useful and the was energy?	ted Thermal energy 250 J
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:	
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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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