

I have drawn three primary conclusions regarding the flow of energy from the flow chart - they are as follows: Fossil fuels are an unsustainable way of producing energy, we are not harnessing all of the energy from the sun, and the sun is the provider of all energy on Earth. Fossil fuels, oil for example, are unsustainable because, as described in the flowchart in Part A, between the 6th and 8th step, it takes thousands of years for dead organic matter to turn into oil that we can use. After a long period of time, there will not be enough oil to support our desire for it. Secondly, we are not harnessing all of the energy we receive from the sun. If the transfers of energy between "The sun" and "Light bulb" are kept to a minimum, there will be less energy lost, and more usable energy will be produced. Unfortunately, this is not the case; in the flowchart in Part B, there are a total of 9 transfers before the energy from "The sun" goes to the "Light bulb". Lastly, the sun is the origin of almost all the energy on Earth. This is very clear when observing any of the three flowcharts; the first step in each of them is the sun.