

C2 ACTIVITY 4 (III): EXAMPLES OF ANALYSING SYSTEMS FOR ENERGY EFFICIENCY

Car

A car engine transfers chemical energy which is stored in the fuel (petrol) into kinetic energy in the engine and wheels.

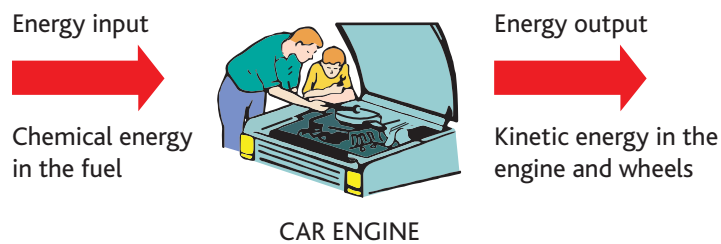


Figure 9: Energy transfer diagram for a car engine

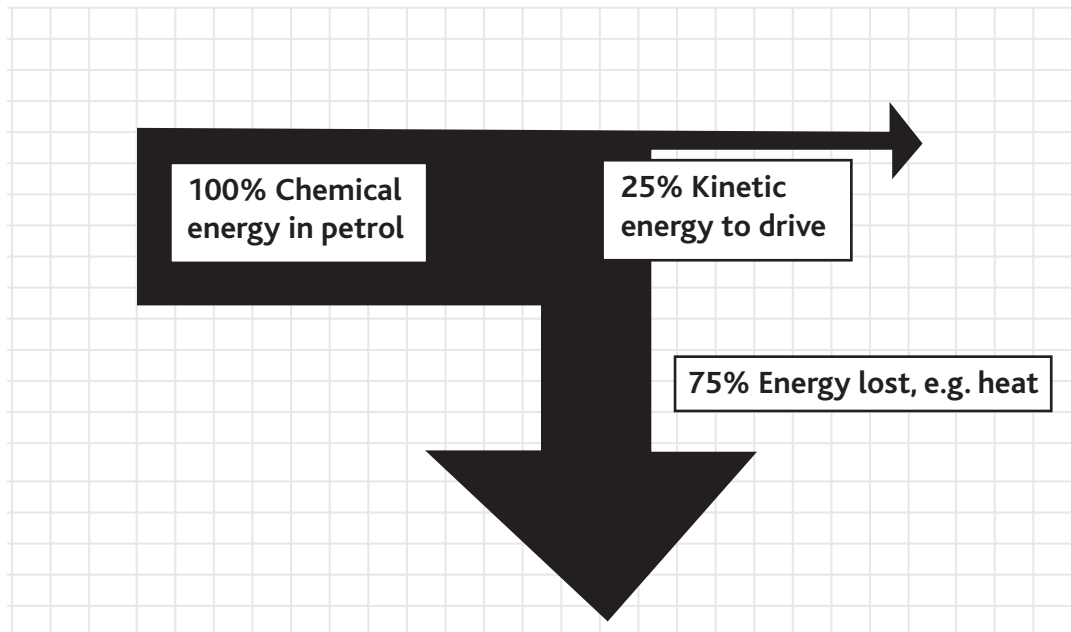


Figure 10: Sankey diagram for a car engine

Power Stations



Figure 11: Power station (Edenderry Power Plant, Bord na Móna)

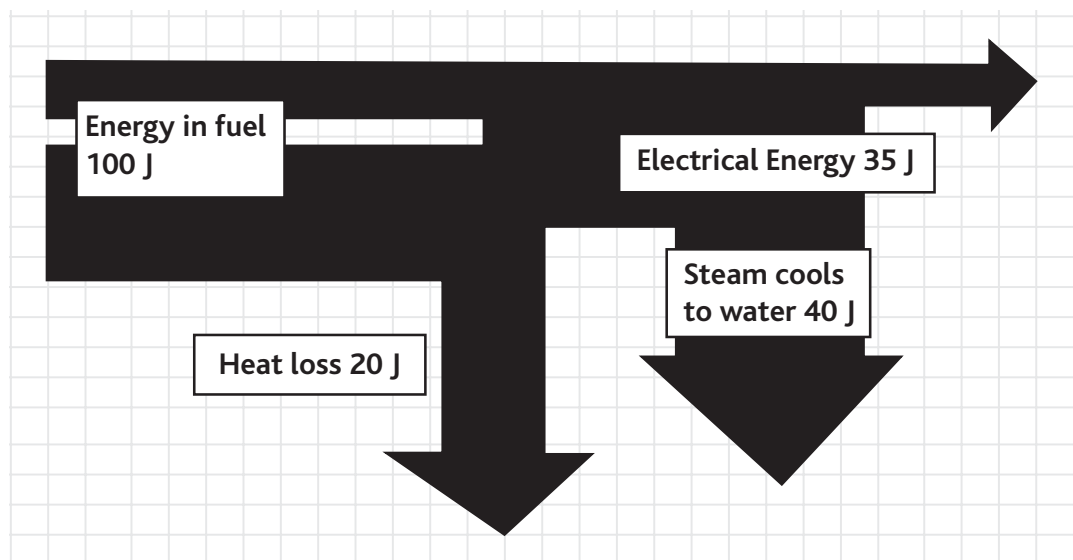


Figure 12: Sankey diagram for a power station

The IEA makes extensive use of Sankey diagrams to illustrate the energy usage of various countries. [Click here](#) to see how this is achieved. [Click here](#) to check out how the IEA maps Ireland's energy usage.