



Every day, millions of tons of fossil fuels are burned. Consequently, the thermal energy of the earth increases.

When we use the heat from the sun no extra heat is produced and no gases or pollutants are released.

Solar, geothermal, hydroelectric, wind and biomass are renewable sources of energy.

In this setup, the sun's radiation energy is reflected and concentrated through the use of a concave mirror. The concentrated heat is then absorbed by an engine and changed into rotational

energy (kinetic energy) in the yellow flywheel. The flywheel then rotates a generator to produce electrical energy.

Address: Unit 7, 360 Cornridge Place Waterloo, ON, N2T 2N9

Telephone: +1(226) 988-6594 Website: https://GREENBMG.ca

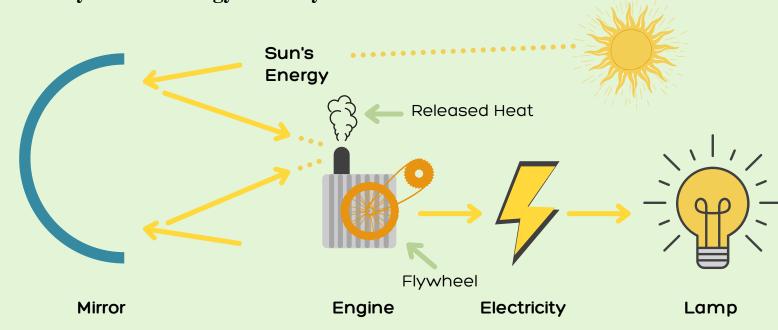


Member of



Conservation of energy for the dual-axis sun tracker with Stirling engine:

Sun energy received by the dish = Heat released at the engine cylinder + Energy of the flywheel



EXERCISE:

Identify the forms of energy involved when the dual-axis tracker works with dish and Stirling engine

Identify the forms of energy involved when the dual axis tracker works with PV panels





Address: Unit 7, 360 Cornridge Place Waterloo, ON, N2T 2N9 Telephone: +1(226) 988-6594

Website: https://GREENBMG.ca



