

Read the following passage carefully, and then write a long summary, a short summary, and an abstract.

Long Summary

Energy is the power underlying all the activities of living and non-living things. We make use of energy in all the walks of our life. Energy exists in various forms and it emanates from various sources. Energy may be transformed from one form to another, but the total amount of energy in the universe remains constant. This is known as the conservation of energy.

The sun is the primary source of energy and fossil fuels, hydro-electric power, nuclear power and biogas are the other major sources of energy. Almost all the energy that living things make use of - comes in the beginning from the sun. The sun gives out enormous quantities of energy in the form of radiation rays of light and other forms of energy.

Green plants have the power, through the process called photosynthesis, to change the energy of sunlight into chemical energy. Some of the plants are omnivorous, that is their food and therefore their energy come from either plant or animal sources.

To satisfy human needs, other kind of energy are needed - mechanical, driving and heating. The energy for heating, or for driving heat engines, actually comes from a fuel and

most fuels were once living things.

The Fuel obtained in this way, with the exception of wood and other fresh organic matters is called fossil fuel and includes oil, natural gas and coal.

Short Summary

In "Energy is the power underlying all the activities of living and non living things" explains the need of energy for all living and non-living things. The primary source of energy is the sun which helps to form other energy. Plant uses photosynthesis process to convert solar energy to chemical energy which is used by herbivorous and omnivorous animals by eating them. Human get energy from plants & animals and even using addition energy from sources such as fuel, mechanical energy etc. Fuel is also part of living beings which are formed from death plants and animals after many years so they are non-repeatable or finite sources of energy. But even though they all are another form of solar or sun energy.

Abstract summary

In "Energy is the power underlying all the activities of living and non-living things" explain the need of energy for all living and non-living things: where energy transfers from one form to another, they all are another form of solar energy.

Write a description of a tool that you have ever used in your chemistry lab.

Tongs & Forceps

Tongs and forceps are for grabbing things that should not be touched by hand. Some tongs are specially made to hold beakers, others to hold test tubes, and so on. There are also general tongs.

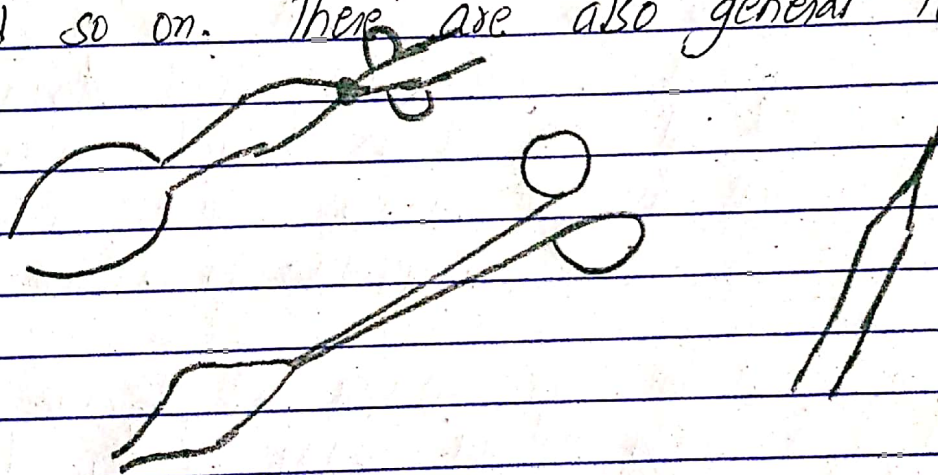


fig:- Tongs & forceps

Forceps are used to grab small things like solid chemicals that are broken into chunks, so they can be safely handled and added to containers.