

# Renewable energy

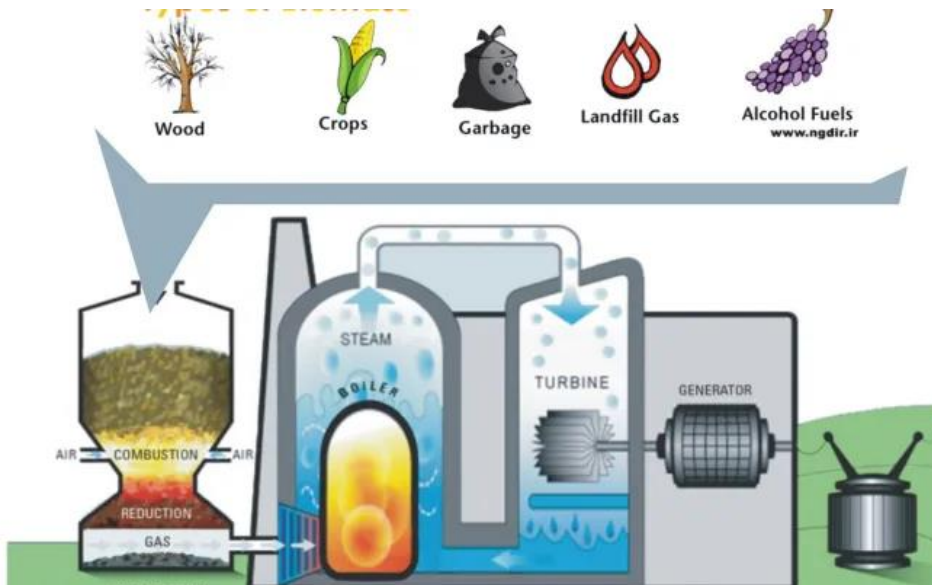
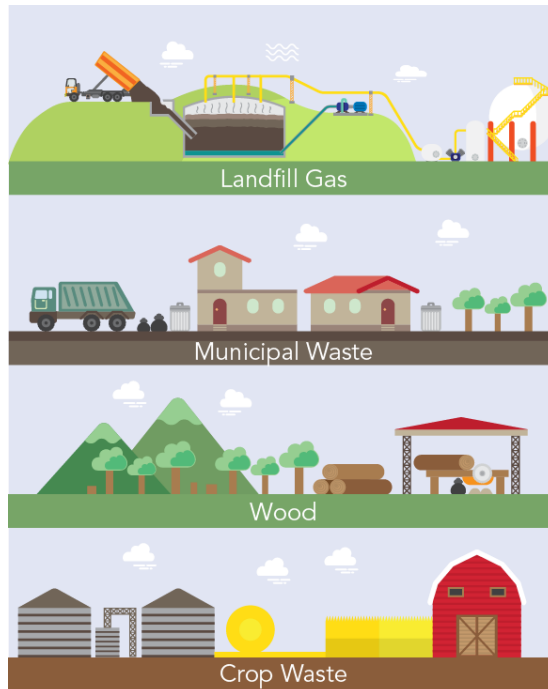
## Bio energy

### Bio Energy

We have used biomass energy or bioenergy - the energy from organic matter - for thousands of years, ever since people started burning wood to cook food or to keep warm.

And today, wood is still our largest biomass energy resource.

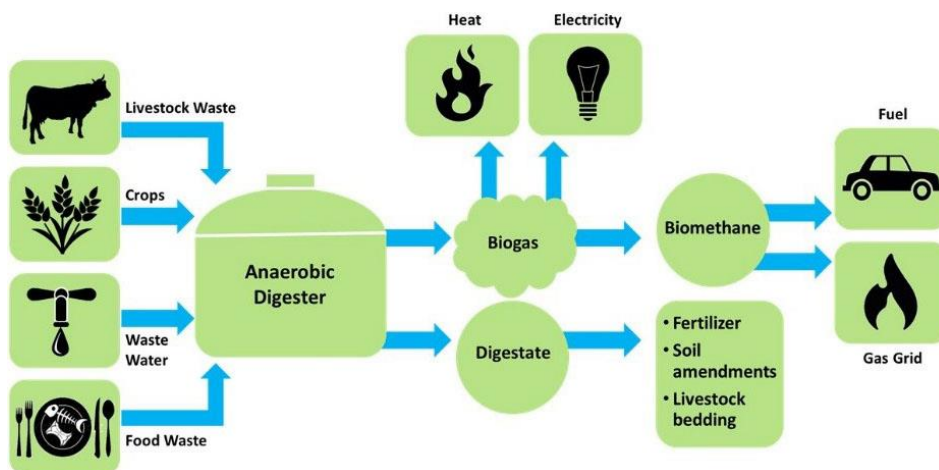
Many other sources of biomass can now be used, including plants, residues from agriculture or forestry, and the organic component of municipal and industrial wastes.

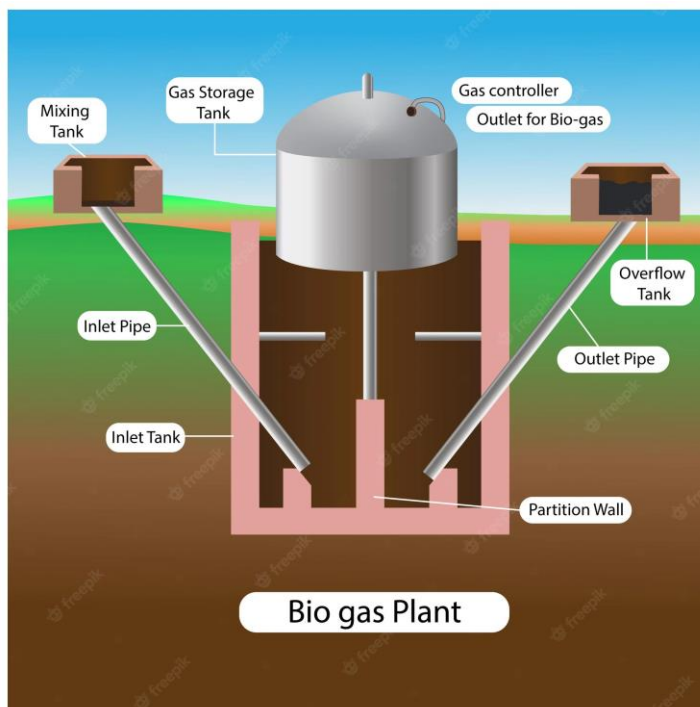
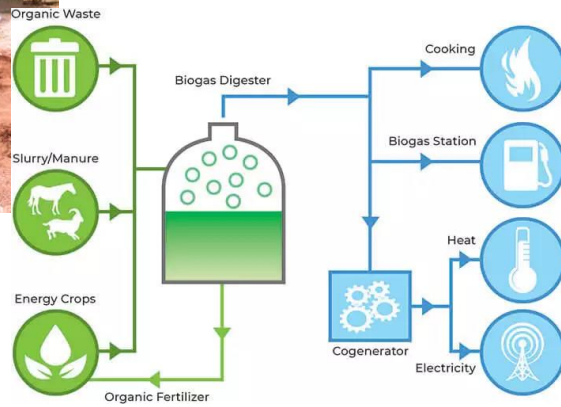


# Biogas

Biogas production is still under investigation and few demonstration projects are existing in Palestine.

The Biogas potential in Palestine is over than 33 million m<sup>3</sup>





## Conclusion

### Biomass energy role in buildings:

- Biomass waste is burned to heat buildings and to generate electricity.
- In addition to being converted to liquid biofuels, various waste materials including some crops like sugar cane and corn can also be burned as fuel.
- Garbage, in the form of yard, food, and wood waste, can be converted to biogas in landfills and anaerobic digesters. It can also be burned to generate electricity.
- Human sewage and animal manure can be converted to biogas and burned as heating fuel.