



# How can Garbage Become Energy?



Trash can be turned into energy using a variety of technologies, such as:

1. **Incineration:** During this procedure, garbage is burned at high temperatures to produce heat that can be used to create steam and power.
2. **Gasification:** Gasification is the process of converting garbage into a gas that may be utilized to produce heat or electricity by heating the waste at high temperatures in the presence of oxygen.
3. **Pyrolysis:** In this method, trash is heated to high temperatures without oxygen to create a gas and a solid residue that can be utilized to produce energy.
4. **Anaerobic digestion:** In this method, organic waste is broken down in the absence of oxygen to produce biogas, a mixture of methane and carbon dioxide that can be utilized to produce heat or power.
5. **Landfill Gas Recovery:** In this method, methane gas, which is created when organic waste breaks down in landfills and can be used to produce heat or electricity, is collected.

Depending on the kind of trash being processed, the amount of energy needed, and the environmental rules in existence, a particular technology may be employed to convert waste to energy. Waste-to-energy technologies should be utilized in conjunction with trash reduction and recycling initiatives to decrease the amount of garbage generated in the first place, even though they can assist reduce the quantity of waste sent to landfills.