

The given diagram illustrates the cyclical process of recycling plastic bottles and producing new items from them.

Overall, it requires nine steps to convert used plastic bottles into new products. Although mechanical devices perform most of the work, humans play an important role in the process.

At the first stage, consumers should separate plastic bottles from other types of waste and put them into the recycling bin. Then, these bottles are collected and carried to the recycling center by certain trucks. After that, plastic bottles are sorted by hand before being compressed into blocks.

At the fifth step, a block of bottles passes through a crushing machine. Produced small pieces fall into a container of water to be washed. Next, a specific device changes clean, crushed bottles into plastic pellets. To form raw material, these pellets are heated at the seventh phase. Finally, end products such as dishes, bottles, bags and clothes are manufactured using the raw material.