

The diagram illustrates how plastic bottles are recycled and turned into new products. Overall, it is evident that nine subsequent stages need to be taken place in order to reuse plastic bottles to produce new goods.

First of all, special recycling bins are provided for city dwellers to collect plastic bottles from users; soon after that the bottles are transferred to the recycling centre by collecting trucks in order that operators can separate recyclable and non-recyclable bottles from each other by hand. In the following step, the bottles are compressed into blocks, and then, they will be crushed by two cogwheels to produce small pieces of plastic. After washing them, they are transferred to a grinder-shape machine to become plastic pellets; subsequently, to form raw material, plastic pellets have to be heated and stick together to become rectangular raw material blocks. Finally, these blocks are used to manufacture new products, including bottles and plastic containers, pencils, and clothes.