

The diagram illustrates that how plastic bottles are recycled in different stages.

Overall, there are 8 steps in the recycling process of plastic bottles which is beginning with collecting garbage from the rubbish bin and ending with producing new products.

In the first step, all plastic bottle wastes, which people throw away, is collected from a large rubbish bin by a specific lorry, and transfer to a recycling center, Then in order to sort the best one, they are separated into detached boxes. Next, after compressing into big blocks they crush to small pieces through two rounded machines.

In the subsequent stage, small pieces of plastic waste should be cleaned by washing. Following this, they are put into a specific machine in the shape of the heater which produced plastic pellets. Next, after heating them, raw materials are formed and classified into six packages. Finally, diverse products such as clothing, pencil, plastic bottle, and package are manufactured from those raw materials.