

## Paper recycling:

Source: <https://utopia.de/ratgeber/papier-recycling-wie-es-funktioniert-und-was-aus-dem-papier-wird/>

- a) First, old paper is collected and transported to the factory. Then, in the recycling plant, it is sorted by paper type.
- b) Thereafter, foreign parts are removed: this includes small pieces of plastic, paper clips and stapling pins. Then the remaining paper is shredded.
- c) Next, the shredded paper is mixed with water. As a result, a porridge is created. This is cleaned several times with sodium hydroxide solution and surfactants and the color particles are filtered out. Finally, these are removed with foam.
- d) To obtain white paper, the porridge is bleached with oxygen or hydrogen peroxide. Finally, the porridge is smoothed on sheets, dried and rolled out to form new paper.

