

RAW MATERIALS

The materials used are metals such as aluminum, brass, plastic, polymers, and copper. The processes where energy is used are extraction through drilling, pumping, and mining (mechanical). This also includes offshore crystallization/purification through carbon leaving (thermal). Some of the waste produced includes petroleum refining like plastic and synthetic rubber waste including benzene, toluene, ethyl benzene, xylene, and polystyrene hydrocarbons. There are also petroleum spills that can be harmful to the environment.

MANUFACTURING

The raw materials used in production and manufacturing are metal, woods, rubber, plastic, ceramic, reinforced copper, resin, and glass. Processes that produce energy are plastic molding in factories, thermally, and making transformers and capacitors for the circuit board through machinery and techniques from heat all the way to circuit board manufacturing includes liquid waste from etching processes that can be acidic or basic. Lead and tin, and other waste from drilling, etching, etc.

A life cycle analysis

TRANSPORTATION
DISTRIBUTION

MMaterials used in the transportation and distribution are steel plastic (aluminum), foam (padding), paper (instruction manuals), AA Batteries which is steel and a mix of zinc/manganese/potassium/graphite, with the remaining balance made up of paper and plastic. The energy used most is in packaging products (mechanical), transportation through trucking, and cargo ships with fossil fuels (chemical). The waste is shown in shipping using trucks emit carbon dioxide and impact climate change, steel boxes used in packaging can be recycled but many people wash them and they end up in landfills.

USE REUSE RECYCLE

When being around, would like to see high prices. These machines are likely not to be chosen any longer, used or sold to another person in need of this instrument or hope for continued personal use. This is some of maintenance, one would need to replace the plastic bands occasionally if they break. The energy and chemical energy is power production and more to the income. The waste produced is a byproduct and is hazardous because of the metal and chemical content, and need to be disposed of in a specific way depending on region.

RECYCLING

When not in use, the parts of a steam machine can be recycled such as the aluminum and plastic. Likewise, the instruments can be used and sold for parts, since it also is a piece of technology, many of the parts can still be used for other purposes. The type of energy used in recycling is chemical energy being used to generate plastic recycling. Unlike art of recycled material as initial basis to make stronger. When products included plastic can be recycled but many end up in landfills and cause pollution. Rubber is harder to recycle, and can have negative impacts on the environment when they end up in landfills.



Source: <http://www.fishbase.org>



2003 Best Winner: **Richard T. Bell**
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