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Toys from Trash
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Step-by-Step Photo Guide

Detailed Worksheet

MATCH BOX  WATER  BALLOON
TRANSPARENT GLASS
SEEK ADULT HELP

BURN A PIECE OF PAPER

CAREFULLY PLACE THE BURNING PAPER IN AN EMPTY GLASS
HALF INFLATE A BALLOON
DIP ITS BASE IN WATER

WAIT FOR A WHILE

PLACE THE WET BALLOON ON GLASS
WAIT FOR A MINUTE. HOT AIR INSIDE THE GLASS AFTER COOLING WILL CONTRACT AND WILL SUCK THE BALLOON TIGHTLY IN.

YOU CAN EASILY LIFT THE GLASS WITH THE BALLOON. THIS IS THE POWER OF VACUUM!

YOU CAN SEE THE BALLOON SUCKED IN.
1. Blow a balloon.
2. Burn a piece of paper.
3. Carefully drop the burning paper into the empty glass.
4. Dip the balloon base in water.
5. Place the wet balloon on the glass.
6. On lifting the balloon, the glass will lift along with it.

Now stick to the glass. The balloon will extinguish. The balloon will contract and glass after cooling out. Hot air inside the glass will lift along with the balloon. This is the power of vacuum!