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Toys from Trash
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☑️ Step-by-Step Photo Guide
☑️ Detailed Worksheet

View One Minute Video at:
http://www.youtube.com/watch?v=-s9UpuAbWrM

Balancing Act
2 half liter mineral water bottles, filled

PVC pipe: around 4 cm diameter, 30 cm long

Cut 2 holes to loosely fit the bottle caps

Cut at around 45°
If you try to stand the pipe on its base (slant), it will topple.

Slip one bottle in the hole and try to balance as shown by adjusting the amount of water in the bottle and its slant.
Try this balancing act with more holes, more bottles and different amounts of water.
You can balance the pipe by placing a long steel bolt in the hole. Slide the loose nut to adjust the balance. Similarly cut an old sketch pen and balance it by placing a screw nut as a counterweight.

The pipe will fall when placed on a table.

Cut one end of a 30-cm long PVC pipe at an angle of 45 degrees.

Make a hole about 5 cm from the slant end.

You Need:
- PVC pipe
- Screw
- Nut
- Cutter

You need a balanced pipe to make the toy work.