Arvind Gupta
Toys from Trash
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- Step-by-Step Photo Guide
- Detailed Worksheet

Height Might
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Two plastic bottles

Two Stiff Straws
With scissors make two holes in each lid to tight fit straws.
Outside straws A and B have different lengths.

Inside straws C and D are the same length.

The two lids with straws will look like this.
The two lids with the straws fitted on the bottles.

Fill coloured water in the two bottles.
Guess which bottle will empty first?

The left bottle with outer longer straw empties first. **WHY?**
About 30% water remains in the bottle with the outside short straw. This is due to water pressure. More height means more pressure.
Fill two bottles fully with water. Screw the lids.

Press fit them in two bottle.

Take four empty straws two 3-cm long, the other two 6-cm and 12-cm long.

Glue the rubber sealers. Apply glue for sealing.

YOU NEED

Tray
Rubber glue
Scissors
Straws
Plastic bottles