



How about a **Water Bottle Flip** Gravity can be fun!

The experience:

Gravity is part of the treatment processes at BJWSA. Try this fun experiment with a goal to find the best level of water to successfully flip and land a bottle.

Flip each bottle 10 times - see how many times the bottle lands standing on its bottom.

Materials:

- Three empty water bottles
- Measuring cup
- Paper to cut labels
- Tape
- Scissors



Directions:

1. Label the three empty water bottles **A**, **B** and **C**.
2. Fill **A** bottle with 1/4 cup of water.
3. Fill **B** bottle with 1/2 cup of water.
4. Fill **C** bottle with 1 1/4 cups of water.
5. Screw the lids on tight!
6. Flip each bottle 10 times and see how many times the bottle lands upright.
7. Tally each success and/or failure of each toss.
8. Once the experiment is complete, put your success rate in fraction and percentage forms:
 - Number of times landed/10
 - (Number of times landed/10)*100

