



## Water Bottle Flip



Gravity plays a big part within the ALCOSAN treatment process. Test out different water bottles by flipping them with the right amount of water.

### Activity:

- Your goal is to come up with the most ideal level of water to successfully flip/land the bottle.
- Flip each of the bottles 10 times and see how many times the bottle lands on its bottom.
- Keep track of your successes/failures via tallies on a piece of paper.

### Materials:

Parents/Caregivers, collect the following:

1. Three empty water bottles Labeled A, B and C
2. Fill one bottle with  $\frac{1}{4}$ -cup water, fill one bottle with  $\frac{1}{2}$ -cup of water, and fill the third bottle with  $1\frac{1}{4}$  cups of water.
3. Screw the lids on tight!



### Extension: Want this activity to be more than just fun?

Once the student has completed 10 flips in each of the three bottles, instruct them to put their success rate in fraction and percentage forms.

- Number of times landed/10
- $(\text{Number of times landed}/10) \times 100$

For more activities, please visit us at [www.alcosan.org/educational-activities](http://www.alcosan.org/educational-activities)