

## Activity Sheet 9

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How to find the amount of shampoo needed to create the best amount of foam:

1. Add 100ml of water to a 500ml pop bottle
2. Add 1ml of the shampoo to be tested, using a syringe or pipette
3. Put the lid on
4. You now need to swirl the liquid around in the bottle at the same speed for 2 minutes. Don't shake it too much or the whole bottle will fill with foam and you won't have anything to measure!
5. Put the pop bottle down, and 30 seconds later measure the height of the foam (not including the liquid)
6. Repeat this 3 times and take the average of the 3 foam heights.

The research team is looking for at least 100ml of foam. If there is not enough foam with 1ml of shampoo try again with 2ml. If there is more than 200ml try again with less.