

Mixtures: Exercise

Shake a closed bottle filled with air, soap and water. Try to measure the bubble size at the top and the bottom of the bottle. Work out why the bubble size is different.

Solution:

Near the bottom of the bottle, the liquid content is greater due to drainage and the film walls are thicker. This is the reason why bubbles are not free to expand (increase their gas content) or to become smaller (decrease their gas content) like the ones at the top of the bottle. As a result, they are smaller and more stable.