

Waves in a bottle

Let's bring the ocean in one bottle and explore the ocean waves!

You will need:

- a big plastic water bottle
- Vegetable oil or baby oil
- Water
- Blue food colouring



First, fill your bottle half way up with water. Next, add blue food colouring. Then fill the rest of your bottle up with vegetable oil or baby oil. Put the lid on and your ocean is ready! Now tip the bottle back and forth and make some waves.

The oil and the water don't mix due to their different densities. The bottle wave is like an ocean wave. Water moves up and down and doesn't go forward as the wave goes through the water. The friction between water and wind makes a wave.

