

PRESSURE IN FLUIDS



(sketch by the author)

Answer the following questions.

1. Have you ever dived deep into the water?
2. What can you feel in your ears? Why?
3. Is pressure equal in every part of a fluid?
4. If you go deeper, do you feel more or less pressure?

Lab experiment

Materials

Complete with the missing words.



n. 1 plastic _____





Empty bowl

n. 1 pair of _____



scotch tape

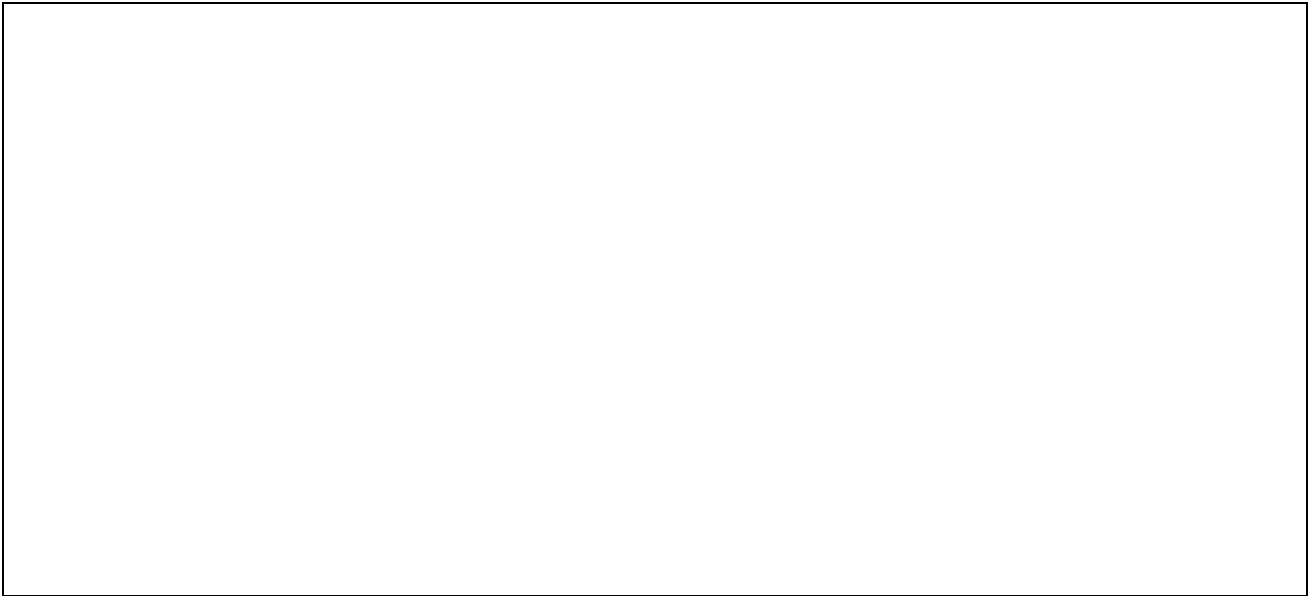


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Instruction

1. Take the bottle and pierce it with scissors at different heights.
2. Then cover the holes with adhesive tape and fill the bottle up with water.
3. Put the bottle in the bowl and remove the adhesive tape.

Make a draw of the situation.



What happens when you remove the adhesive tape?

1. Are the length of the water jets the same?

2. What is the shape of the jets?

3. Does the pressure at each hole depend on their height?

The greater the _____ of a point in a liquid, the _____ is the pressure.

4. Why does it happen?

| <i>Before watching the video - Hypothesis</i> | <i>After watching the video</i> |
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