

3. Liquid pressure

- Topic:** Water pressure
- Objective:** Students will observe water pressure change.
- Vocabulary:** pressure, source
- Materials:**
- 1 plastic bottle (1 L)
 - A big container
 - A nail
 - Tape
 - Water

Development:

- **Read and look at the pictures.**

- Step 1.** Wash the plastic bottle - get it all cleaned and dry.
- Step 2.** Use the nail to make three holes on the bottle – at about 2 inches apart.
- Step 3.** Cover the holes with tape – make sure they got completely covered.
- Step 4.** Fill in the bottle with water.
- Step 5.** Put the bottle in the big container.
- Step 6.** Take off the tape so the water can start to come out.
- Step 7.** Observe how the speed at which water comes out changes.
- Step 8.** Repeat the process 3 – 4 times and think of what happens as the space in the bottle increases.



Step 1.



Step 2.



Step 3.



Step 4.



Step 5.



Step 6.



Step 7.



Step 8.



Tell us...

Read and write YES or NO.

1. In step two, you have to use a second bottle.
2. You used tape to join plastic bottles.
3. Did you use any kind of pressure for the experiment?
4. You had to cut the plastic bottle into two parts.
5. Did the water come out from fast to slowly?

Glue a picture of your project finished!

Liquid pressure

Glue your
picture here
:)

1. What was your favourite part of the project? _____.

2. What, exactly, did you like the most?

_____.

3. Extra notes on what you observed during the project. _____

_____.

4. Can you see or apply the information from the project in real life? YES / NO

Explain: _____

_____.

5. Was it easy to get the materials for the project? YES / NO

Explain: _____

_____.