

# Under pressure



## Details

### What you need

- 1.5 to 2 litre plastic bottle (preferably with flat sides)
- Masking or duct tape
- Scissors or similar tool to create holes

## Introduction

During this activity you will explore the relationships between pressure and depth.

## Activity steps

1. You are going to investigate the relationship between pressure and depth.
2. Make three holes, evenly spaced, in a vertical line, in the bottle.
3. Cover the holes with tape and fill the bottle with water, and put the lid on.
4. Stand the bottle in a sink or take it outside and try to guess how the water will behave coming out of the holes. Where will the pressure be greatest? How will you know?
5. Untape the holes and unscrew the lid.