

Calibrating Clocks: 1

1. Use the materials provided to make a water clock like the one in the diagram.

The size of the hole you make and the size of the container you use will affect the way your clock measures time.



2. Estimate the time it will take for the water level to drop from one mark to the next on your clock. Record your estimates in a table.

Water moves down	Estimated time taken	Measured time taken
1 mark		
2 marks		
3 marks		
4 marks		

3. Measure the time taken for the water level to drop from one mark to the next on your clock. Record your results in a table.

4. Experiment with your clock and the way it measures time.

What happens if you make the marks further apart?

What happens if you make the marks closer together?

Can you make your clock measure 1 minute accurately?

Can you make your clock measure 5 minutes accurately?