

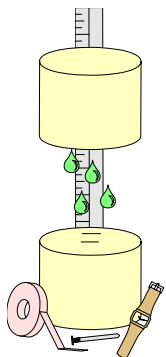
## Tick Tock Water Clock

Thousands of years ago, the Chinese and the Egyptians used flowing water to measure time. You can make a water clock similar to the ones used in the past!

You will need:

A long ruler and permanent marker  
2 identical yogurt cartons or disposable coffee cups  
Masking tape  
A small nail  
Modeling clay  
Watch with a second hand

Use the nail to make a small hole in the middle of the bottom of one of the containers. Draw several lines inside of the other containers 1/4 inch apart. Fix the containers to the ruler using masking tape. Put the container marked with the scale at the bottom. Stand the ruler upright by fixing the end with modeling clay. Cover the hole in the top container with your finger and fill it with water. Then take away your finger and time how long it takes for the water to reach each of the levels in the bottom container. Can you make a clock that times periods of one minute accurately?



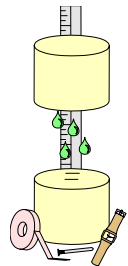
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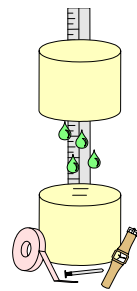
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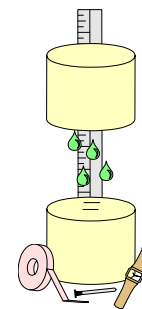
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