



Time Out!

Engineers design timers that help run things like rollercoasters and traffic signals.

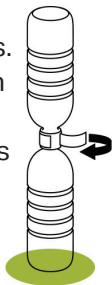
You can engineer a timer.

Use two empty, clear plastic bottles. Fill one half-full with fine sand or salt.

Connect the bottles with strong tape.

Turn the bottles over so sand is on the top.

Use a watch with a second hand to see how much time it takes for sand to drop to the bottom bottle.



Now engineer a slower timer. Hint: find ways to make the opening between the bottles narrower.

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