

A 2-hole stopper falling inside a narrow water column

A #2 rubber stopper drilled with 2 holes would take about 4 sec to fall/sink in a 15-cm water column provided by a Kimble Kimar Class-A 50 mL graduated cylinder when compared to a solid stopper taking 6 sec

Scroll down for photo frames

The elapsed time could be taken as proportional to the horizontal scroll position

Please contact Dr Sunil Dehipawala for more information if needed

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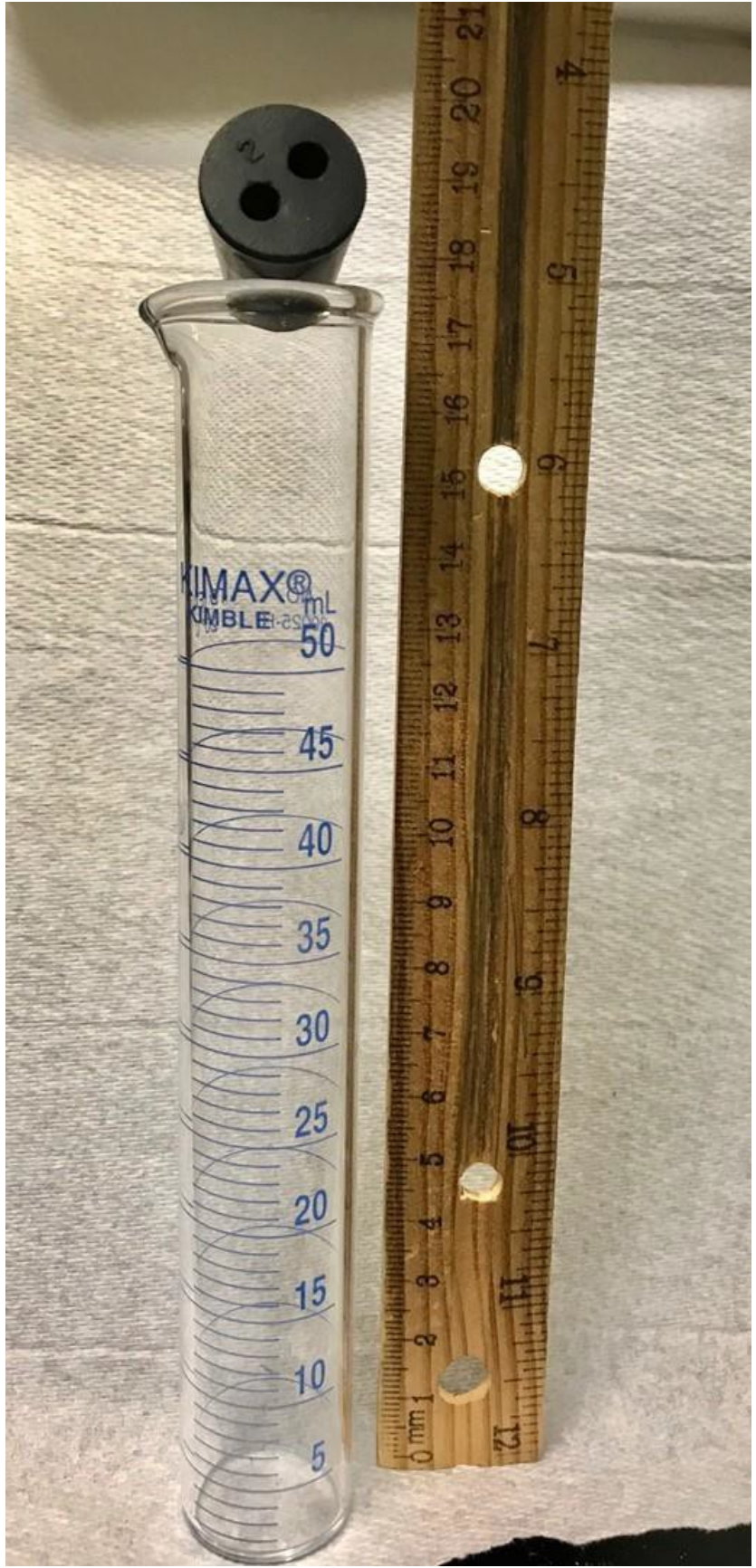


Figure 1 Empty cylinder and a ruler



Figure 2 Getting ready

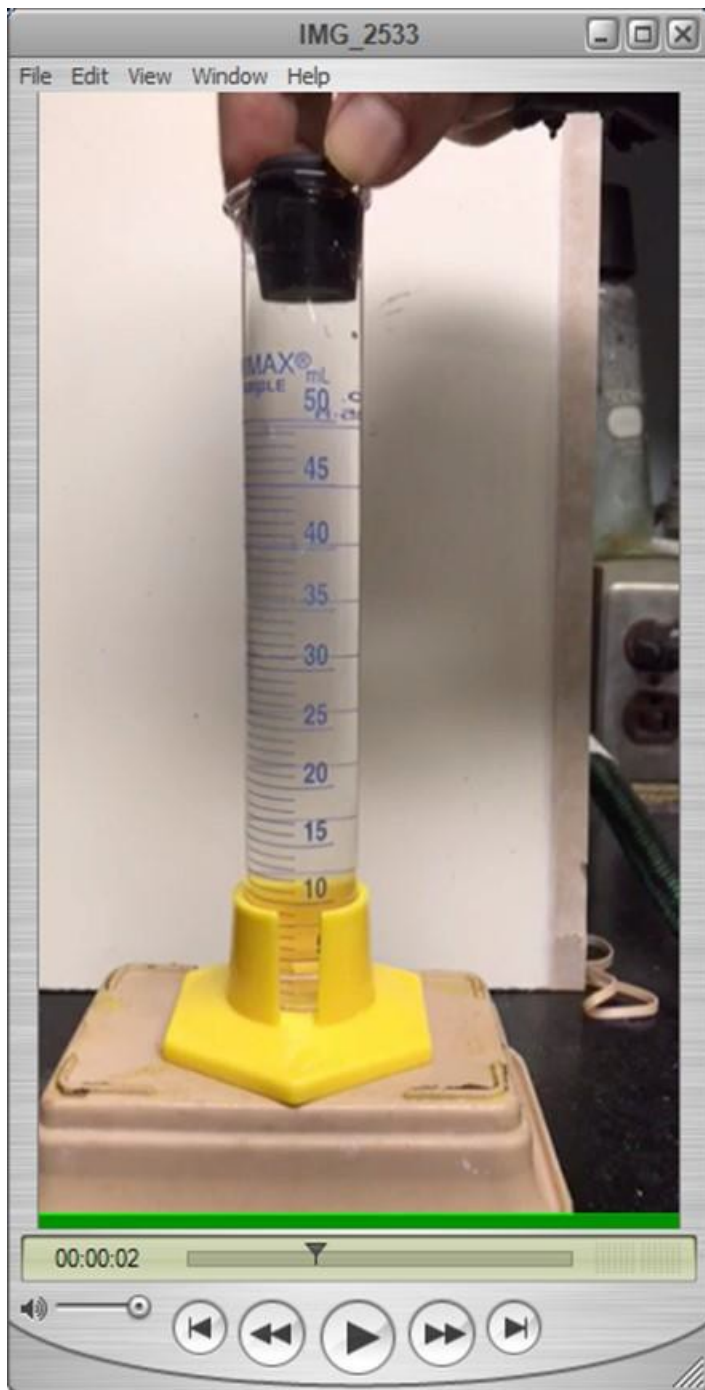


Figure 3 Start dropping the stopper



Figure 4 Stopper sinking

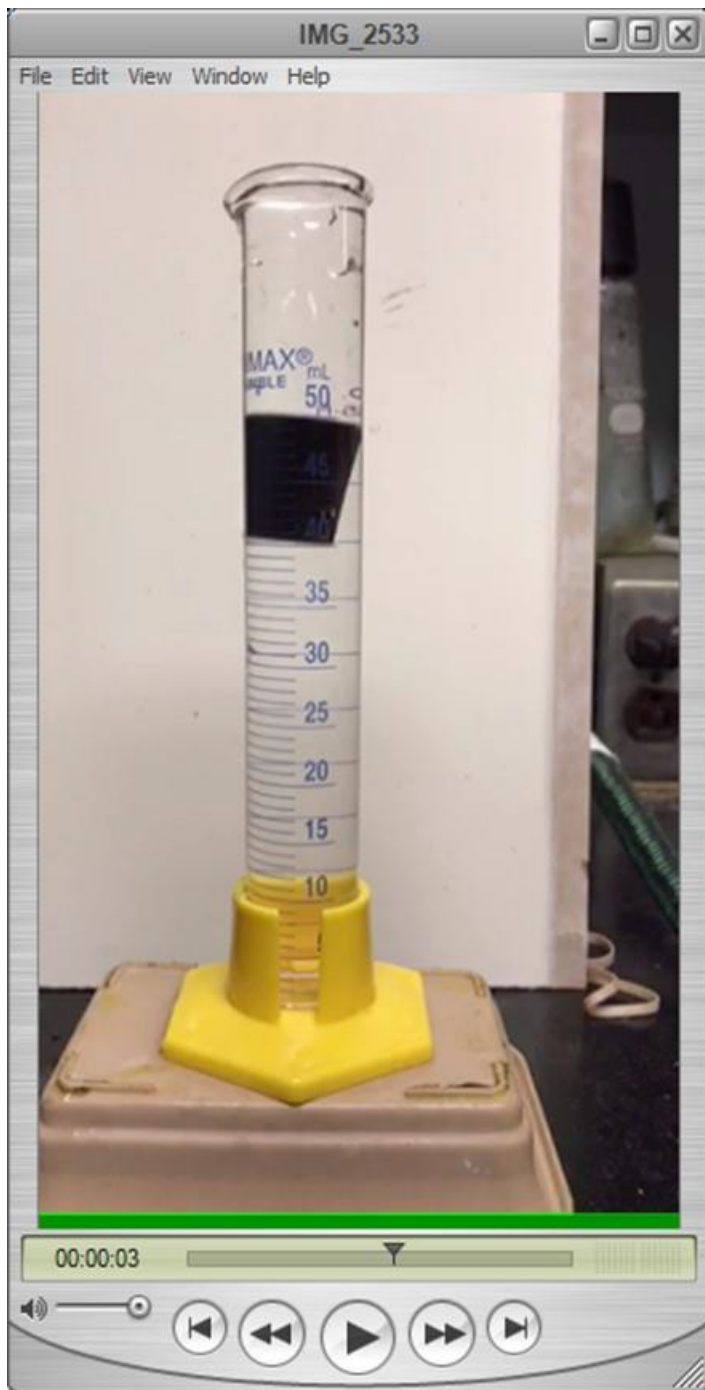


Figure 5 Continued sinking of stopper

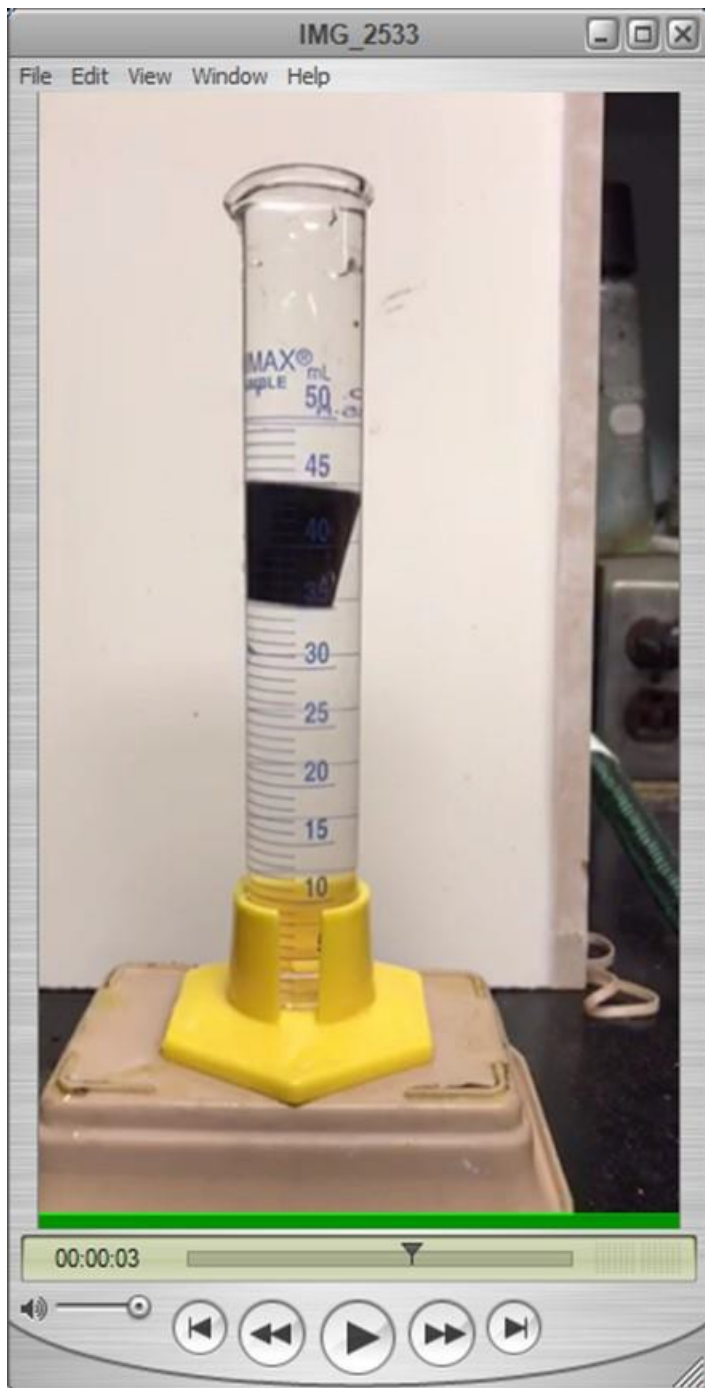


Figure 6 Continued sinking of stopper, timer at 00:00:03 approximately

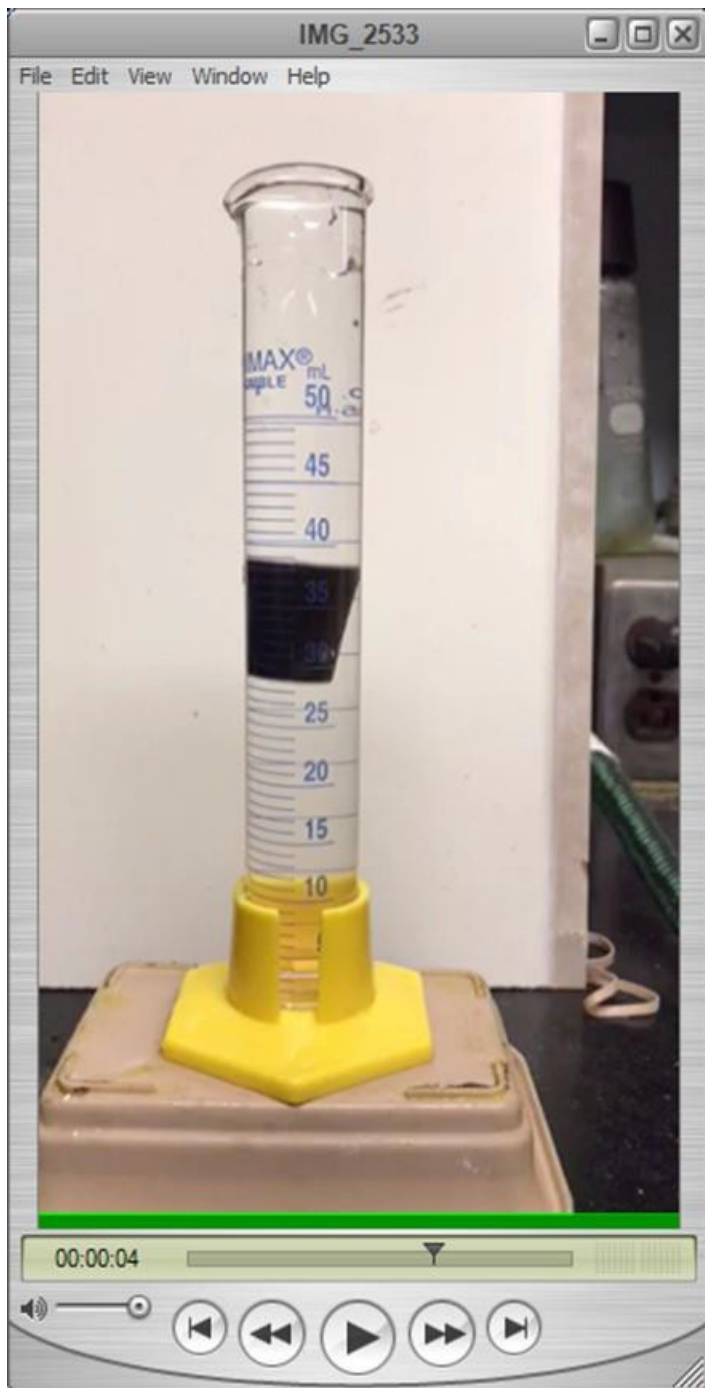


Figure 7 Continued sinking of stopper, timer at 00:00:04 approximately



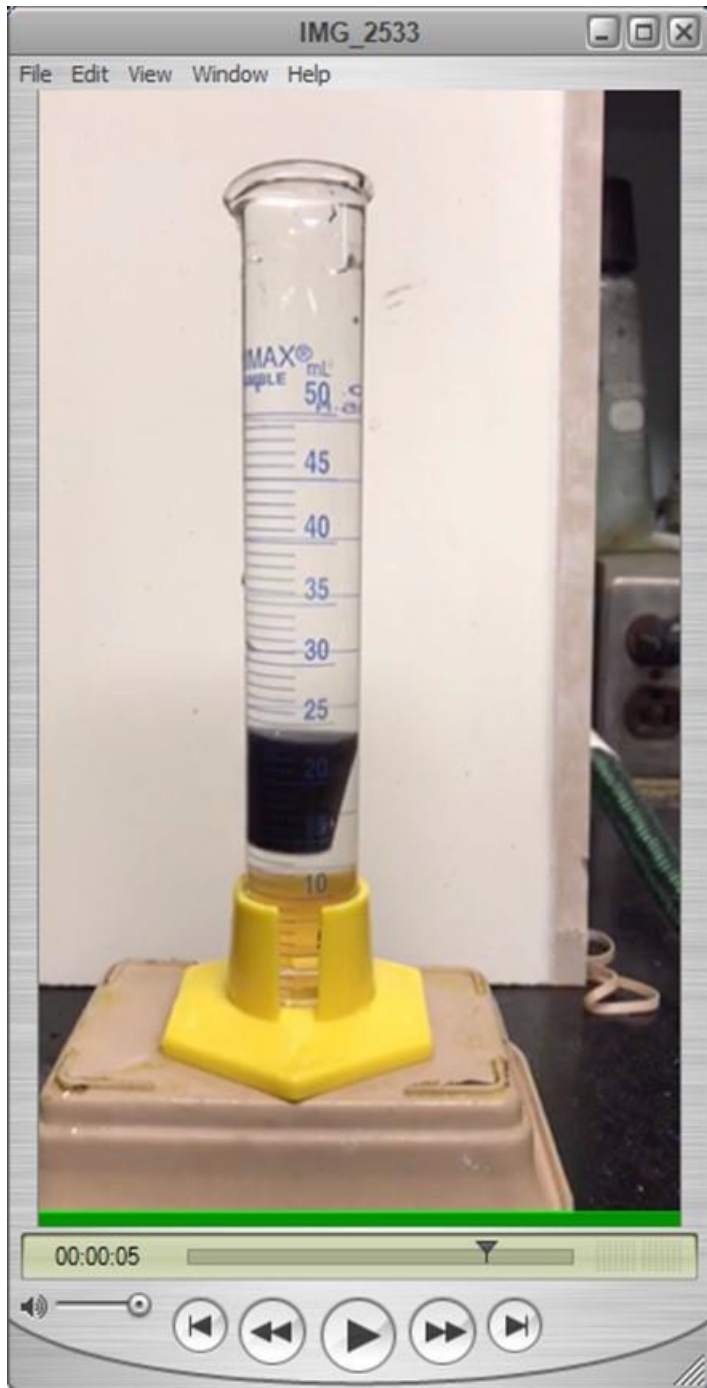


Figure 8 Continued sinking of stopper, timer at 00:00:05 approximately

End