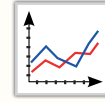


# Water Levels



Liquid is poured into containers at a constant rate.

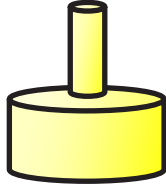
The depth of the liquid in the container  $d$  is plotted against time  $t$  for each container as it is filled.

## Section A Match the containers with their graphs.

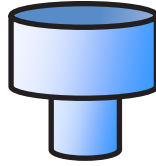
1)



A



B



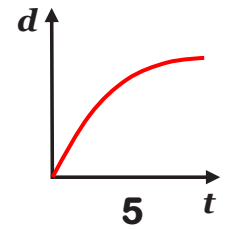
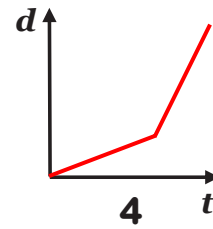
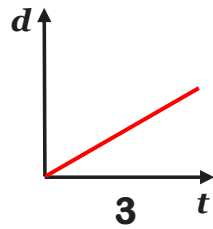
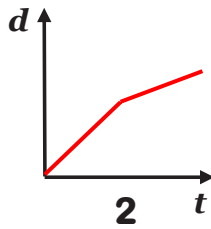
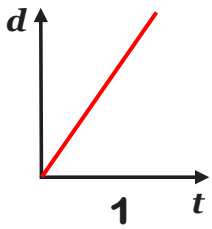
C



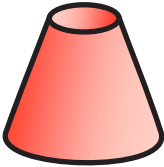
D



E



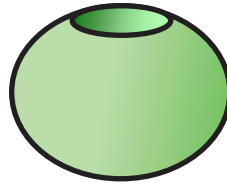
2)



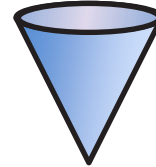
A



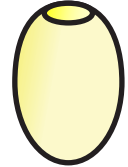
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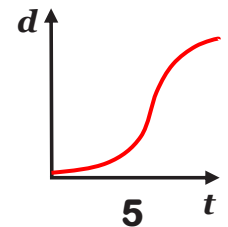
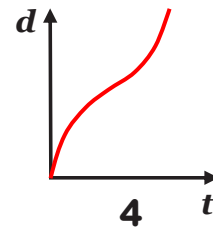
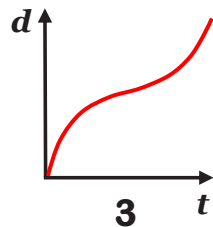
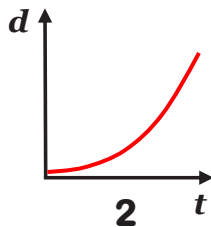
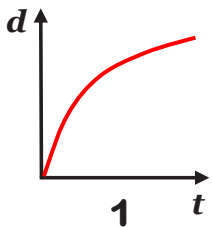
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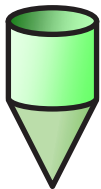
D



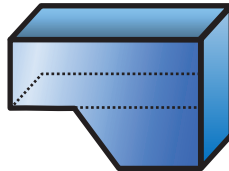
E



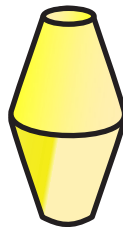
3)



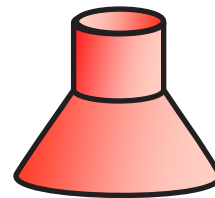
A



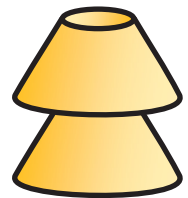
B



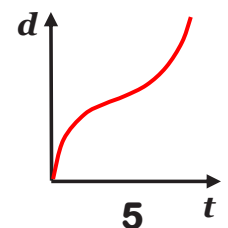
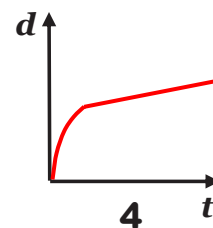
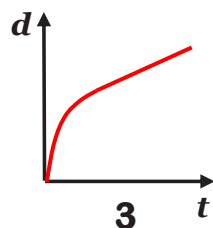
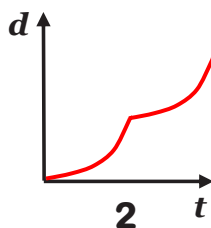
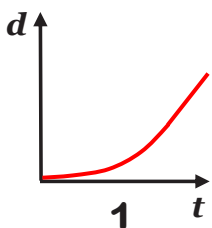
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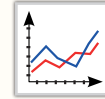
D



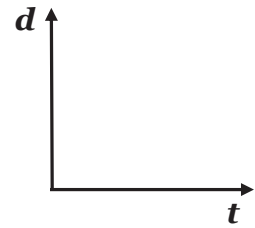
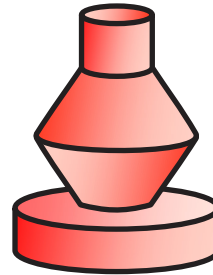
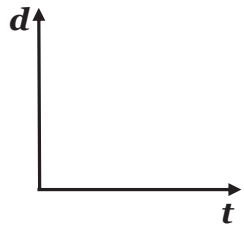
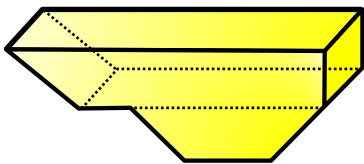
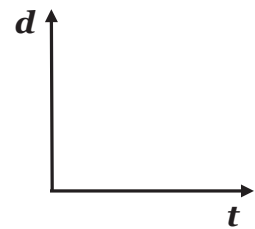
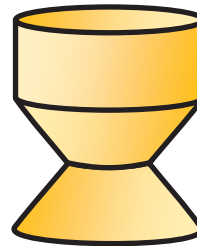
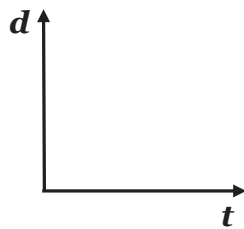
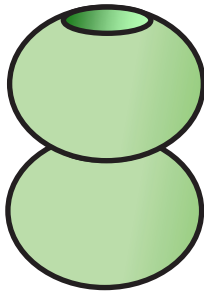
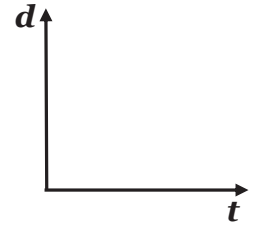
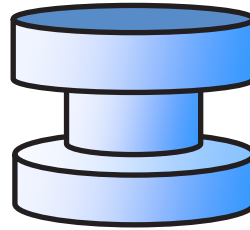
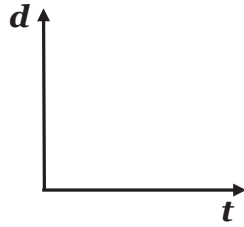
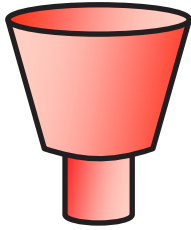
E



# Water Levels



**Section B** For each set of containers draw the depth of the liquid  $d$  against the time  $t$ .



## Section C

Two swimming pools are being filled at a constant rate. Sketch the cross-section of each swimming pool that have these graphs showing how the depth  $d$  of water varies with time  $t$ .

