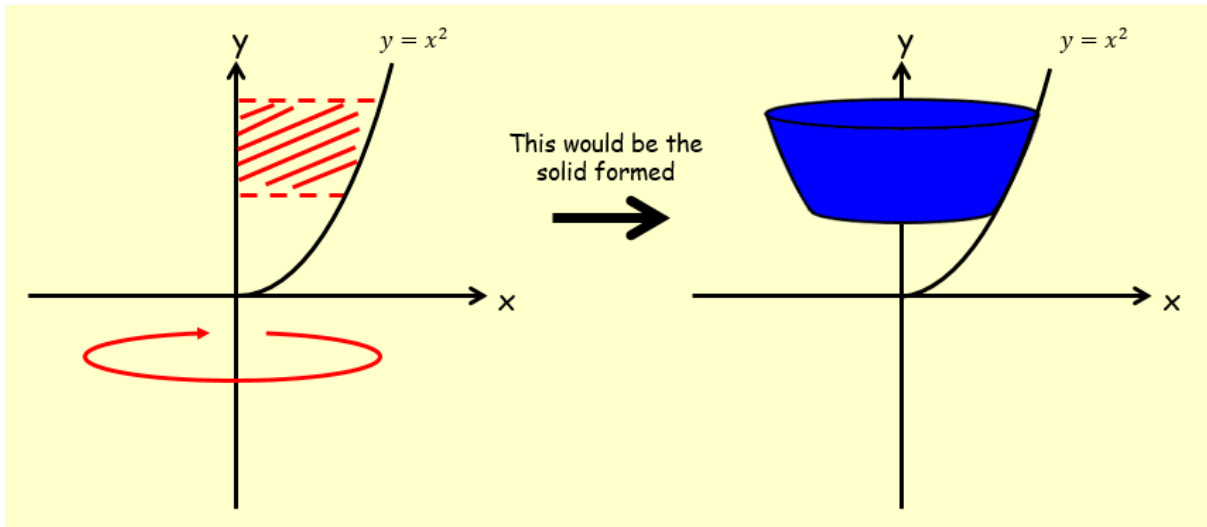


## 5B Rotations Around the y-axis



1. The diagram shows the curve with equation  $y = \sqrt{x-1}$ .  
The region R is bounded by the curve, the y axis and the lines  $y = 1$  and  $y = 3$ .  
The region is rotated  $360^\circ$  about the y axis.  
Find the volume of the solid generated.

