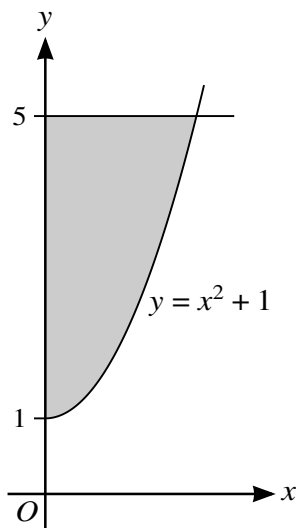


3



The diagram shows part of the curve with equation $y = x^2 + 1$. The shaded region enclosed by the curve, the y -axis and the line $y = 5$ is rotated through 360° about the **y -axis**.

Find the volume obtained.

[4]

[illegible]