

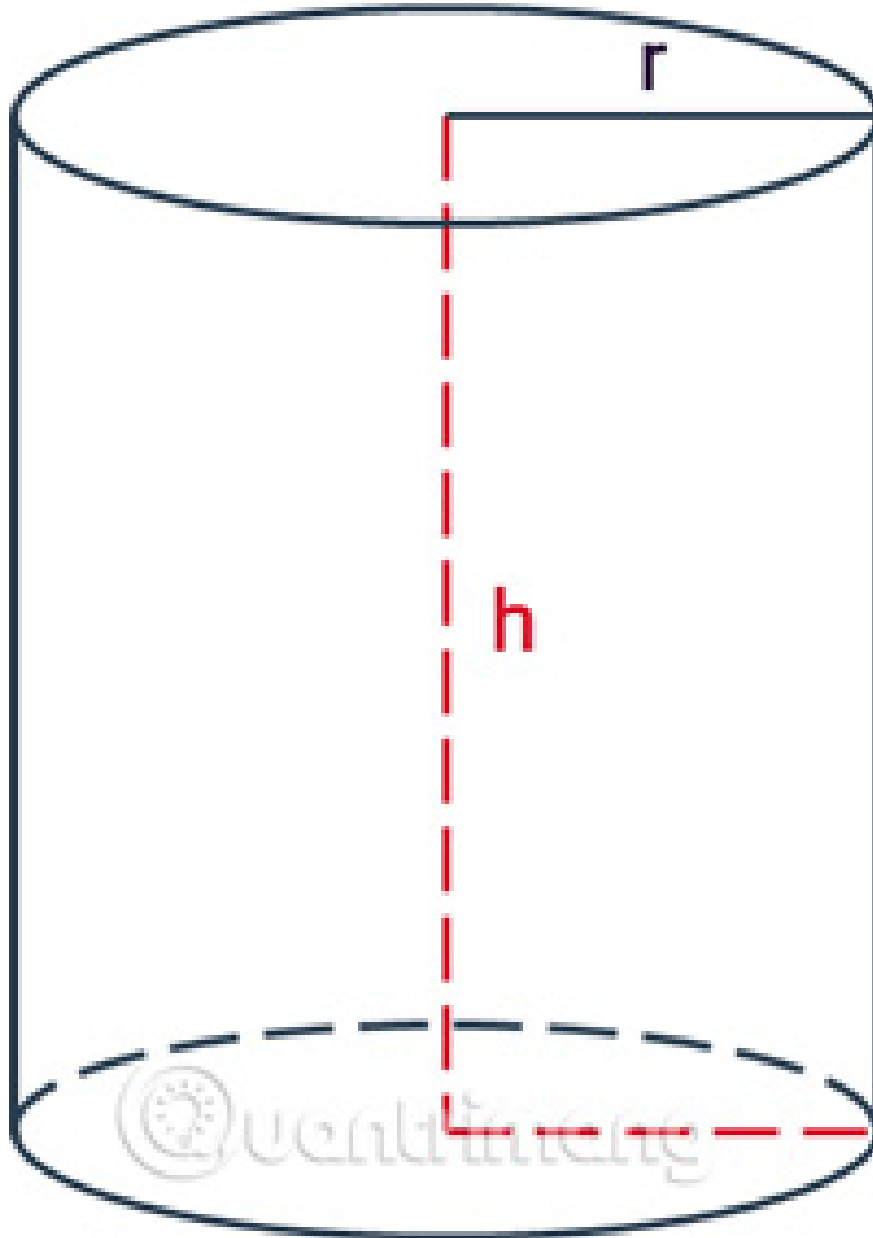
Formula to calculate the area around the cylinder, the total area of the cylinder, the cylinder volume

TipsMake.com will work with you to learn some content related to the topic of calculating the volume of the cylinder, the area around and the whole cylinder. Please consult with us.

It is no stranger to constantly encounter cylindrical objects in life. In the article below, TipsMake.com will work with you to learn some content related to the topic of calculating the volume of the cylinder, the area around and the whole cylinder. Please consult with us.

The cylindrical cylinder is cylindrical with two equally circular and parallel circles. Cylinders are used quite commonly in geometric problems from basic to complex, in which the formula for calculating area and volume of cylinders is often used in common. If you already know how to calculate the area and circumference of a circle, you can easily deduce the formulas for calculating the volume, the surrounding area as well as the total area of the cylinder.



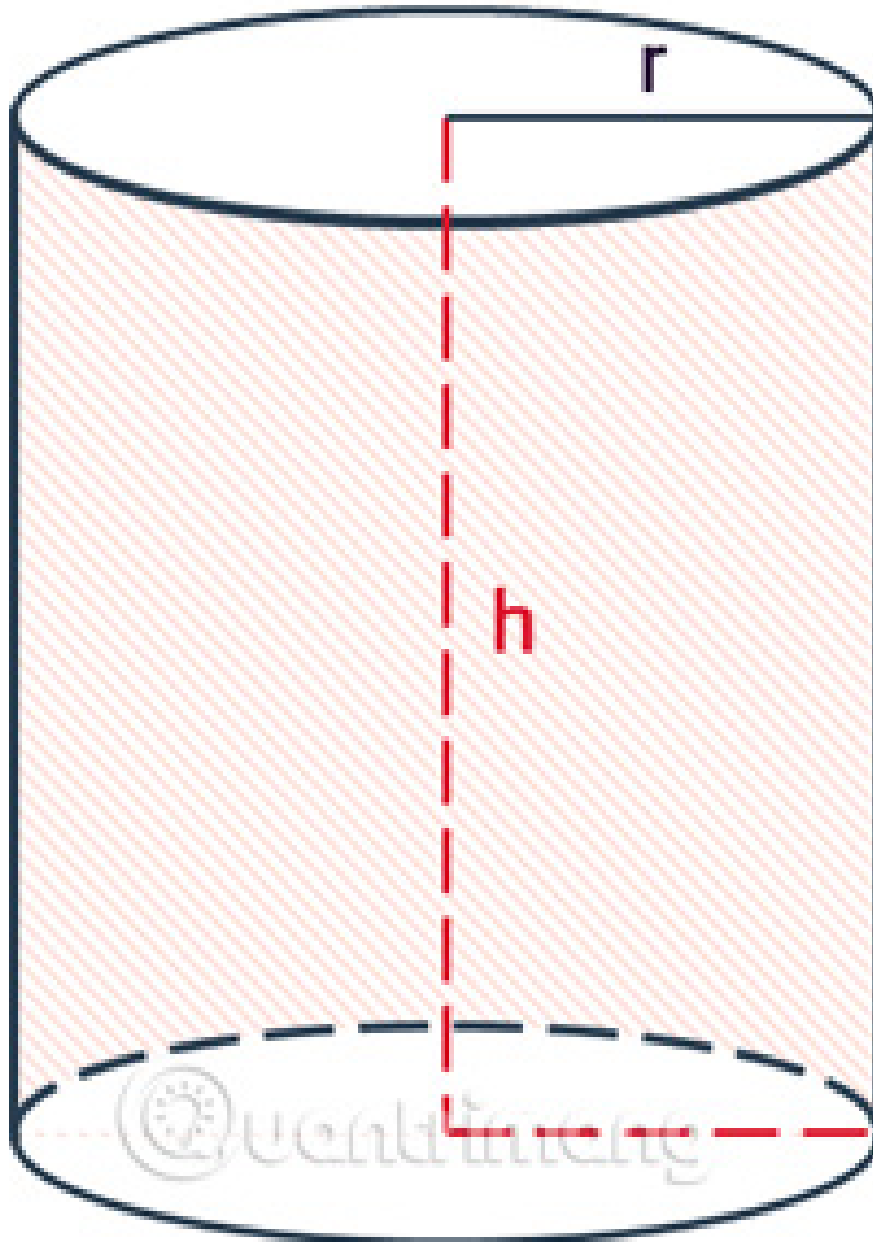


Calculate the cylinder area

The area of the cylinder is often referred to with two concepts: ambient and full.

1. **The area around** the cylinder only includes the area of the surrounding surface, around the cylinder, not including the area of the two bottoms.
2. **The total area** is calculated as the magnitude of the total occupied space, including the surrounding area and the area of the two round bottoms.

Formula to calculate the surrounding area: by the circumference of the bottom circle multiplied by the height

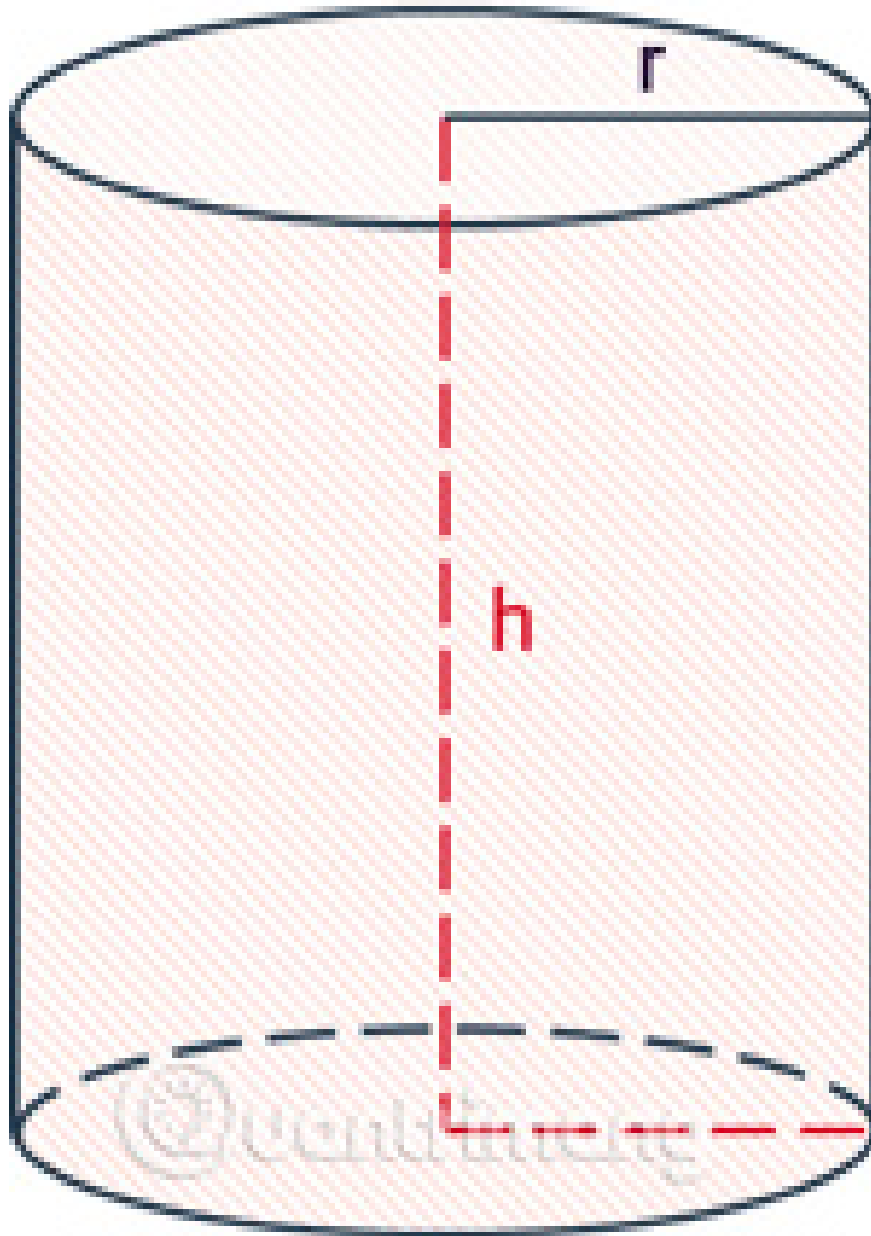


Picture 4 of Formula to calculate the area around the cylinder, the total area of the cylinder, the cylinder volume

Inside:

1. S_{around} is the surrounding area.
2. r is the cylinder radius.
3. h is the height, the distance between the two bases of the cylinder.

The formula for calculating the total area: **equal to the surrounding area plus the area of 2 bottoms**



Picture 6 of Formula to calculate the area around the cylinder, the total area of ??the cylinder, the cylinder volume

Picture 7 of Formula to calculate the area around the cylinder, the total area of ??the cylinder, the cylinder volume

Picture 8 of Formula to calculate the area around the cylinder, the total area of ??the cylinder, the cylinder volume

Calculate cylinder volume

Cylindrical volume is the amount of space that the cylinder occupies.

Formula to calculate cylindrical volume: equal to the area of the bottom multiplied by the height

Picture 9 of Formula to calculate the area around the cylinder, the total area of the cylinder, the cylinder volume

Inside:

1. V is the cylinder volume.
2. r is the cylinder radius.
3. h is the height, the distance between the two bases of the cylinder.

Above are the formulas for calculating the area around, analyzing the whole and volume of the cylinder. Thank you for following the article.

You finished reading the article "**Formula to calculate the area around the cylinder, the total area of the cylinder, the cylinder volume**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.