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Best Answer: The curved surface area would only be relevant on a curved shape, such as a cone or a cylinder. The curved surface area of one of these shapes would be the area of the outside of the curved part, NOT the flat end (s). Total surface area would be the sum of the curved surface area plus the area of flat surfaces (ends). Difference Between Area and Surface Area. Therefore, the surface area of the cylinder can be expressed as a summation of areas of two circles and a rectangle. The area of the curved surface of the cylinder, which is a rectangle is equals to (Circumference of the base) x (Altitude). Since the circumference of a circle with a radius r is $2\pi r$,... Total surface area of the cuboid = $2h(l + b) + 2lb = 2(lh + bh + lb)$. This is the sum of the curved surface area and the areas of the top and base of the cuboid. Curved surface area of the cylinder = $2\pi rh + 2\pi r^2$ ($r + h$), Difference Between Curved And Total Surface Area.

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