

Correct. Find the volume of the cylinder and then subtract the volume of two hemispheres, or one sphere.

$$\text{Volume of cylinder: } \pi r^2 h = \pi \cdot 21^2 \cdot 100 \approx \frac{22}{7} \cdot 441 \cdot 100 = 138,600$$

$$\text{Volume of sphere: } \frac{4}{3}\pi r^3 = \frac{4}{3}\pi \cdot 21^3 \approx \frac{4}{3} \cdot \frac{22}{7} \cdot 9261 = 38,808$$

$$\text{Volume of the solid: } 138,600 - 38,808 = 99,792 \approx 99,800$$