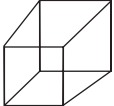
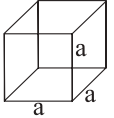
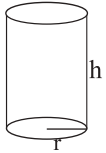
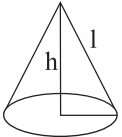
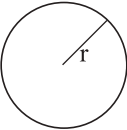

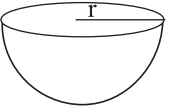




## CHAPTER-13 SURFACE AREAS AND VOLUMES

### KEY POINTS

S. No.	Name	Figure	Lateral/ Curved Surface Area	Total surface Area	Volume	Symbols used for
1.	Cuboid		$2(l+b) \times h$	$2(lb+bh+hl)$	$lbh$	l =Length b=breadth h=height
2.	Cube		$4a^2$	$6a^2$	$a^3$	a=side
3.	Right Circular Cylinder		$2\pi rh$	$2\pi r(h+r)$	$\pi r^2 h$	h=height r=radius of base
4.	Right Circular Cone		$\pi rl$	$\pi r(l+r)$	$\frac{1}{3} \pi r^2 h$	h=height r=radius of base
5.	Sphere		$4\pi r^2$	$4\pi r^2$	$\frac{4}{3} \pi r^3$	r = radius
6.	Hemisphere Solid		$2\pi r^2$	$3\pi r^2$	$\frac{2}{3} \pi r^3$	r = radius
7.	Hemisphere hollow		$2\pi r^2$	$2\pi r^2$	$\frac{2}{3} \pi r^3$	r = radius