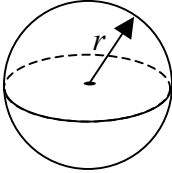
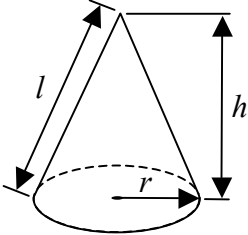


Volumes and surface areas of spheres and cones

solid	diagram	volume	surface area
sphere	 <p>A diagram of a sphere with a radius line labeled r extending from the center to the surface.</p>	$V = \frac{4}{3}\pi r^3$	$A = 4\pi r^2$
cone	 <p>A diagram of a cone. The radius of the circular base is labeled r. The height from the center of the base to the apex is labeled h. The slant length (distance from the apex to the edge of the base) is labeled l.</p>	$V = \frac{1}{3}\pi r^2 h$	$V = \pi r l + \pi r^2$ <p>$\pi r l$ is the area of the curved surface, and πr^2 is the area of the circular base</p>