## Volume and Surface Area

<table>
<thead>
<tr>
<th>Polyhedron</th>
<th>Prism</th>
<th>Cylinder</th>
<th>Pyramid</th>
<th>Regular Pyramid</th>
<th>Cone</th>
<th>Sphere</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><img src="image1" alt="Pentagonal prism" /></td>
<td><img src="image2" alt="Triangular prism" /></td>
<td><img src="image3" alt="Triangular pyramid" /></td>
<td><img src="image4" alt="Triangular pyramid" /></td>
<td><img src="image5" alt="Cone" /></td>
<td><img src="image6" alt="Sphere" /></td>
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<tr>
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<td><img src="image2" alt="Triangular prism" /></td>
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### Reference Sheet

#### Volume

<table>
<thead>
<tr>
<th>Shape</th>
<th>Formula</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Cylinder</td>
<td>$V = Bh$</td>
<td>where $B$ is the area of the base</td>
</tr>
<tr>
<td>Pyramid</td>
<td>$V = \frac{1}{3}Bh$</td>
<td>where $B$ is the area of the base</td>
</tr>
<tr>
<td>Right Circular Cone</td>
<td>$V = \frac{1}{3}Bh$</td>
<td>where $B$ is the area of the base</td>
</tr>
<tr>
<td>Sphere</td>
<td>$V = \frac{4}{3}\pi r^3$</td>
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#### Lateral Area ($L$)

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<tbody>
<tr>
<td>Right Circular Cylinder</td>
<td>$L = 2\pi rh$</td>
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<tr>
<td>Right Circular Cone</td>
<td>$L = \pi rl$</td>
<td>where $l$ is the slant height</td>
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#### Surface Area

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<td>$SA = 4\pi r^2$</td>
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