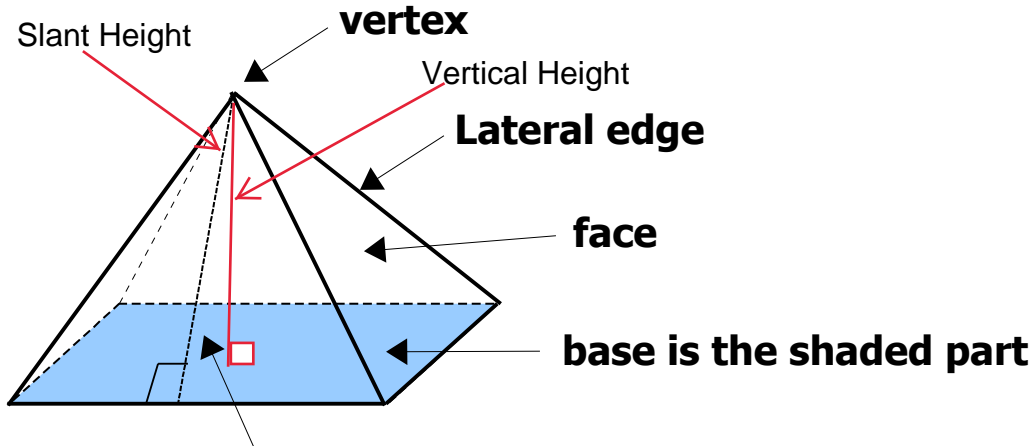# Polyhedron Parts

Polyhedrons have bases, faces, edges, and vertices. Two faces on a polyhedron meet at an edge. Three or more edges meet at a vertex.

A Pyramid has 1 base

Slant Height

vertex

Vertical Height

Lateral edge

face

base is the shaded part

slant height is Perpendicular to the base

A Prism has 2 bases the same size and shape that are parallel to each other.

face

Lateral edge

base is the shaded part

vertex

base is the shaded part
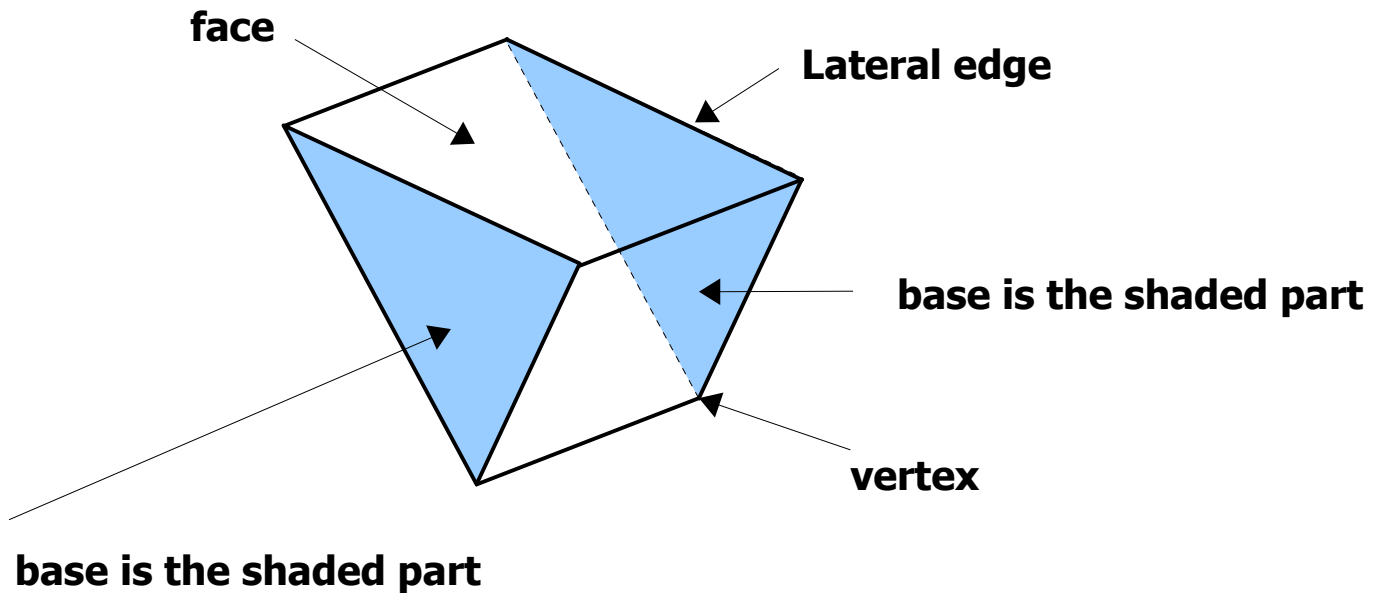
A Cylinder has 2 bases the same size and shape that are circles and parallel to each other. There are no vertices or edges.

base is the shaded part

Lateral Surface

base is the shaded part
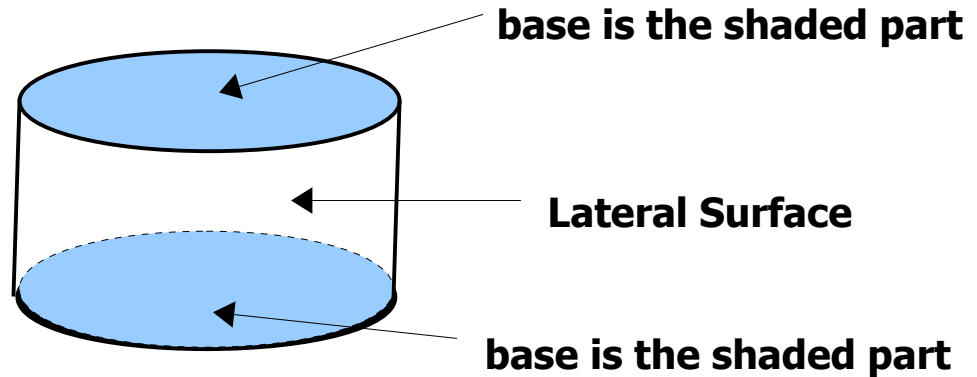
A Cone has 1 base that is a circle.

vertex

Slant Height

Lateral Surface

Vertical Height

base is the shaded part
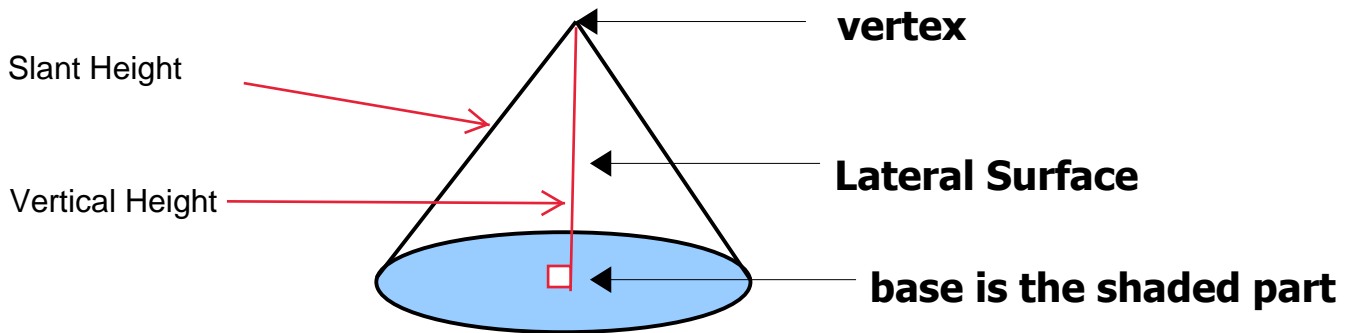
A Sphere is the set of all points in space that are the same distance away from the center. This is usually referred to the radius (r). There are no vertices, faces, or edges.

center

radius