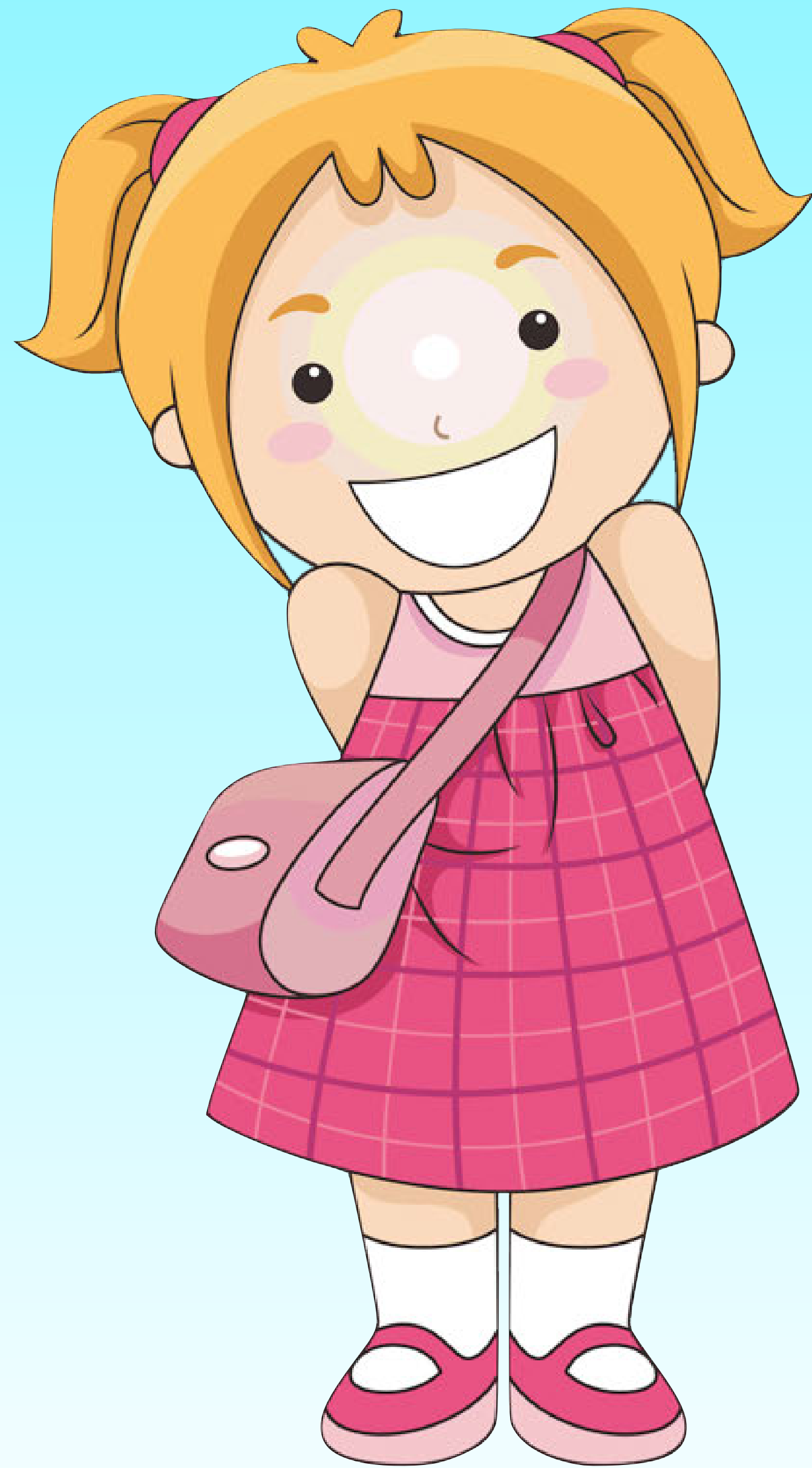


Space and 3D Shape

Learning Objective:

To be able to identify and describe 3D shapes according to their properties.





**How many 3D
shapes can you
remember?**

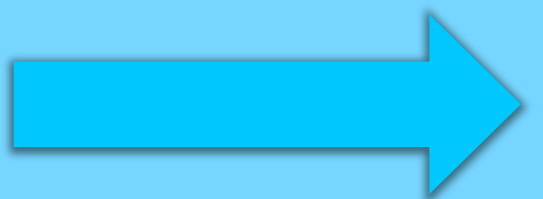
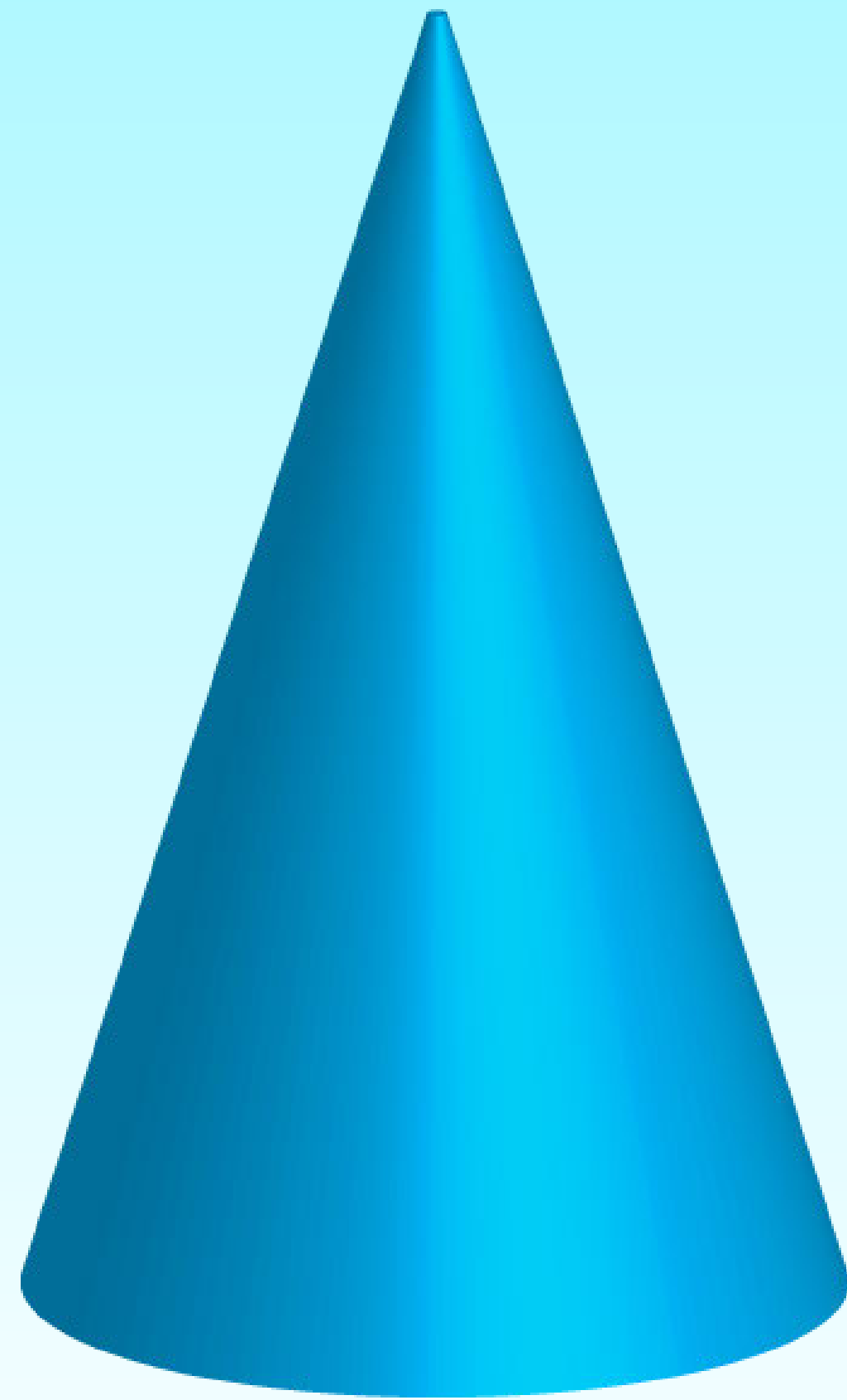
Think, pair, share your ideas.

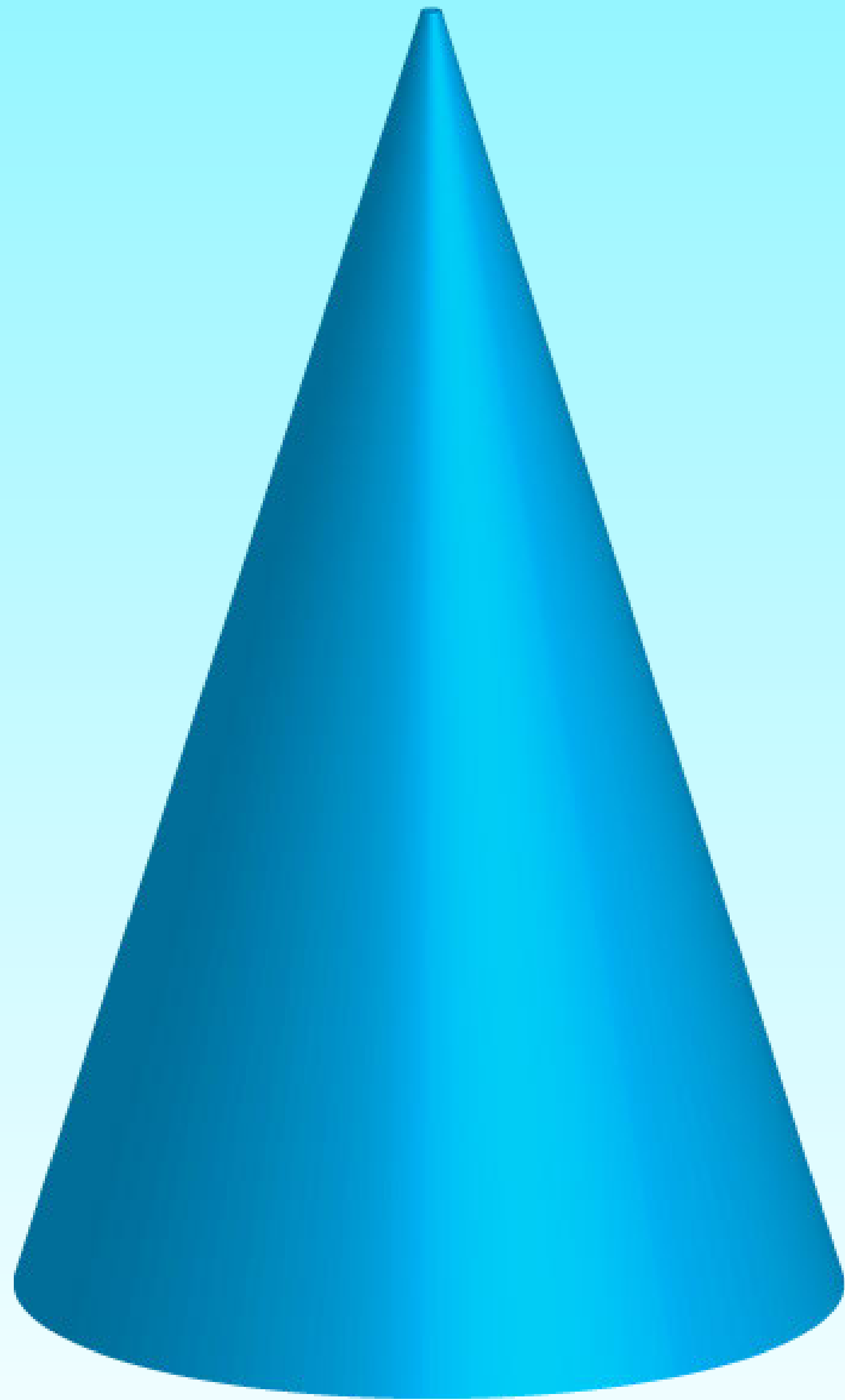


What shape is this?

What are its properties?

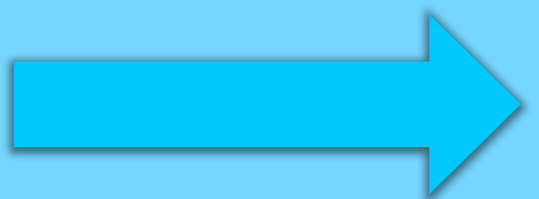
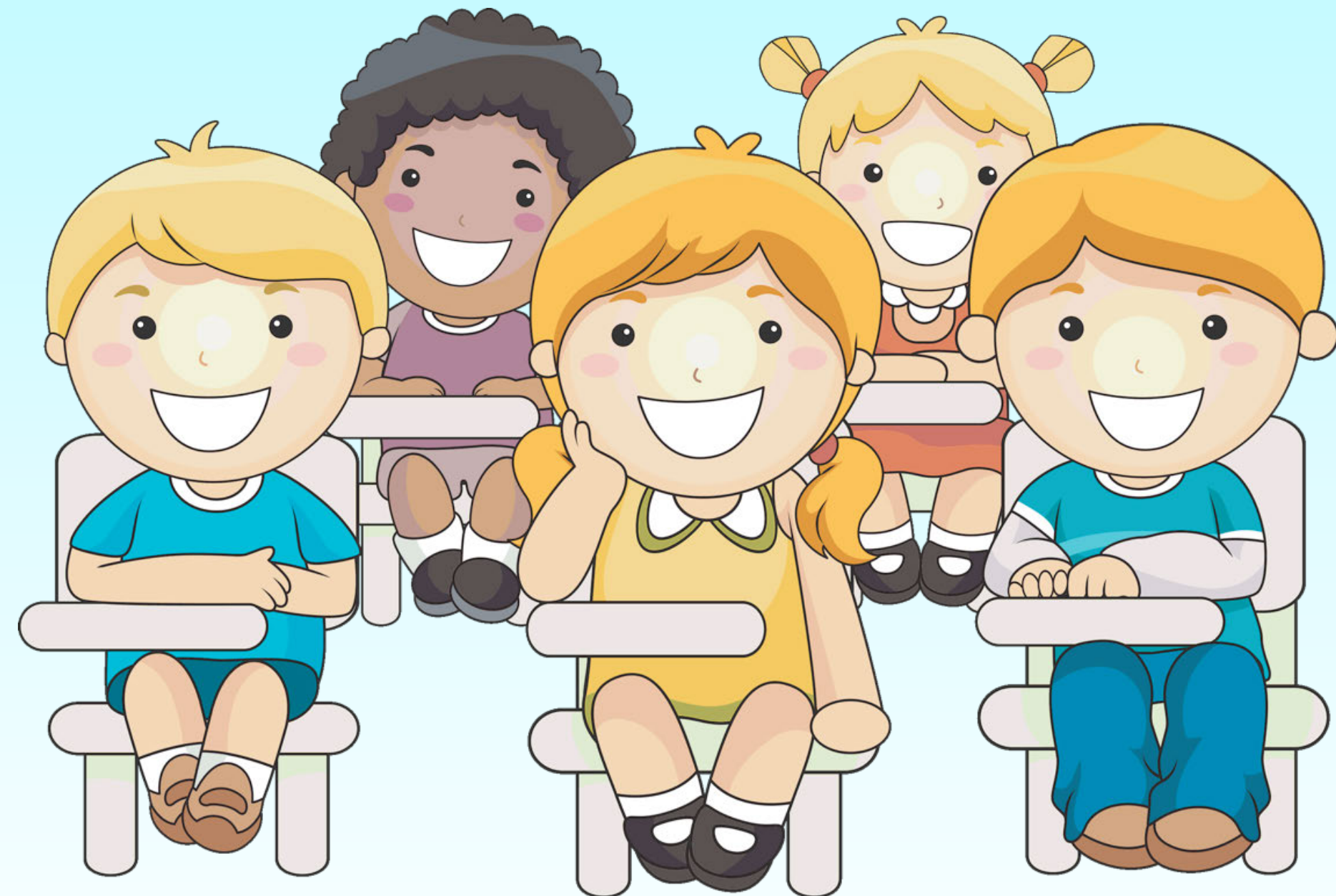
Write down your ideas.





This shape is a CONE.

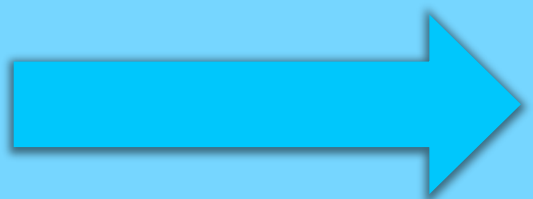
**It has 2 faces, 1 edge
and no vertices.**



What shape is this?

What are its properties?

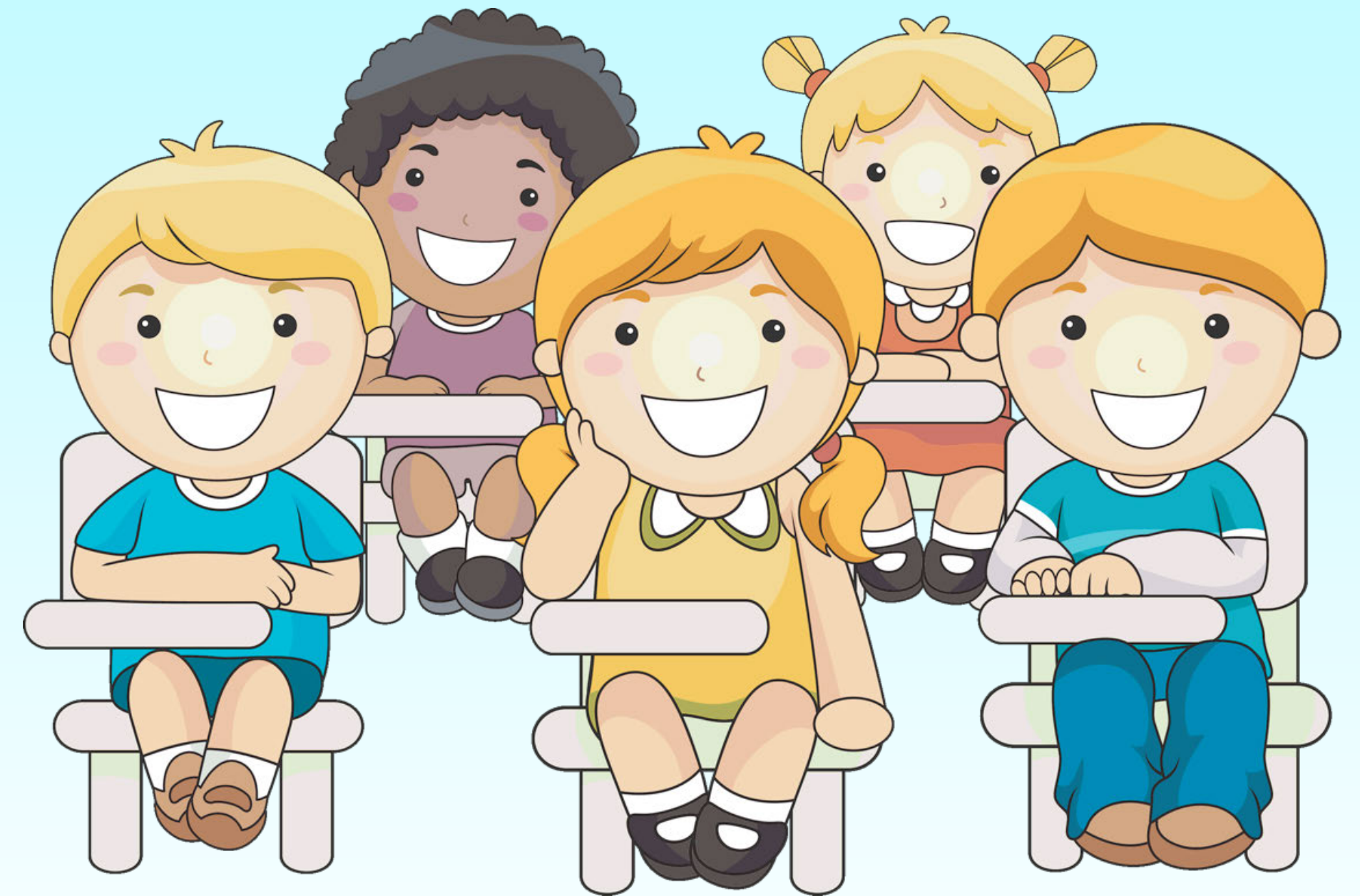
Write down your ideas.





This shape is a CUBOID.

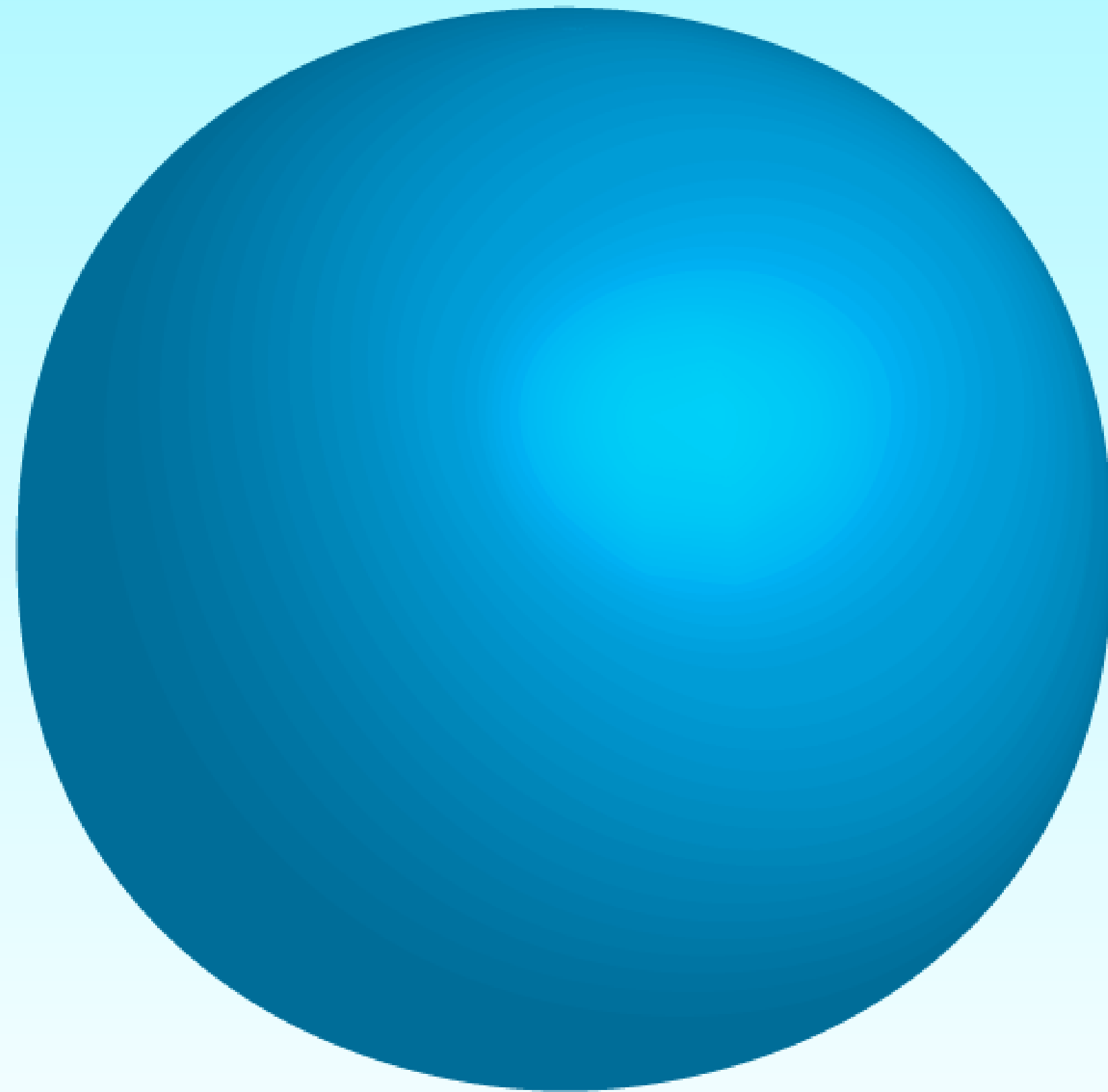
**It has 6 faces, 12
edges and 8 vertices.**



What shape is this?

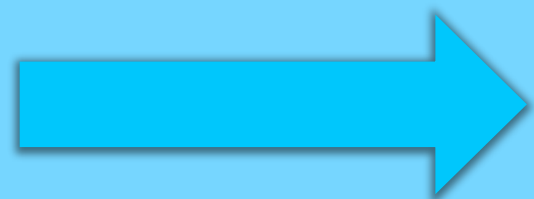
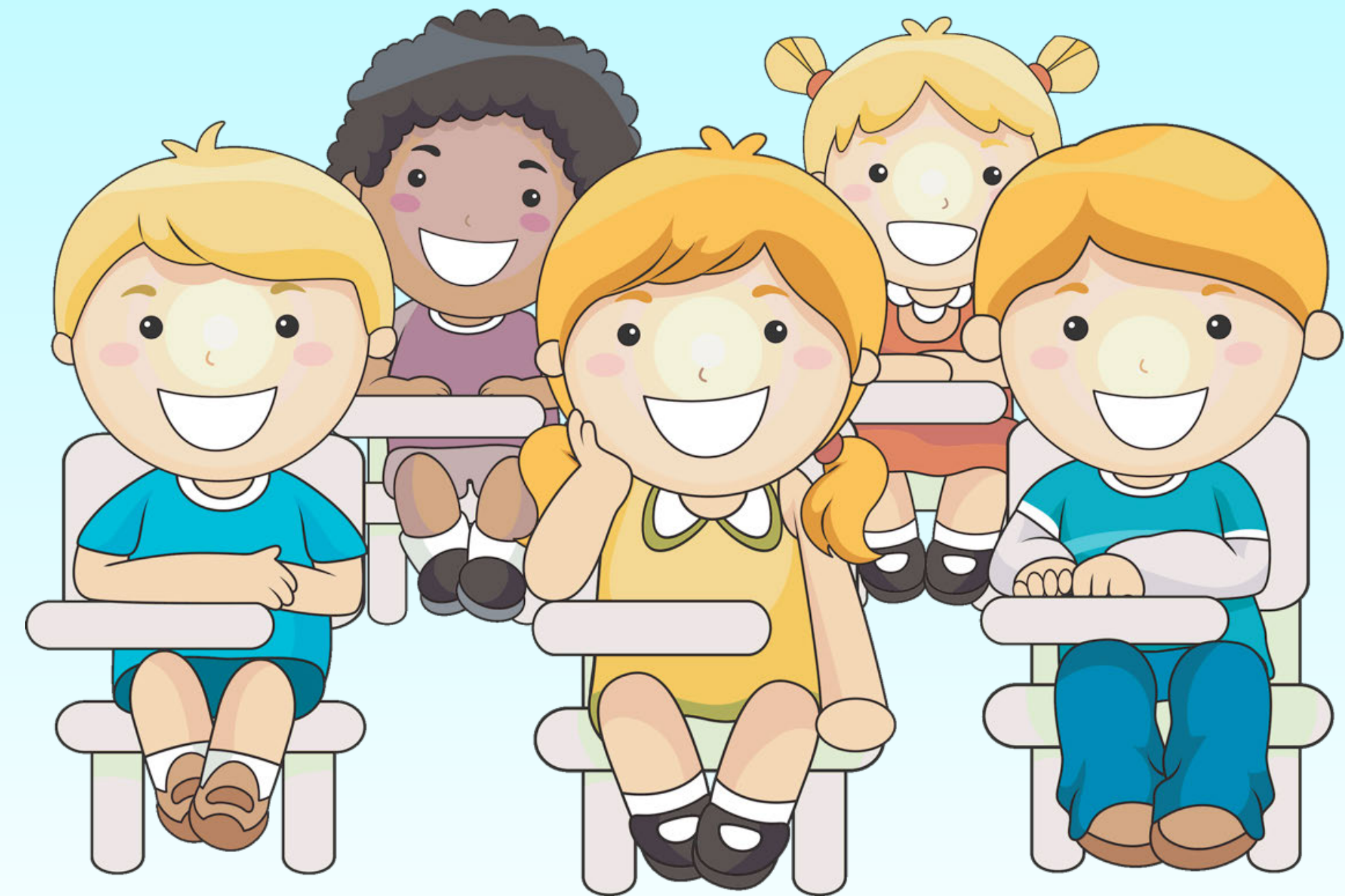
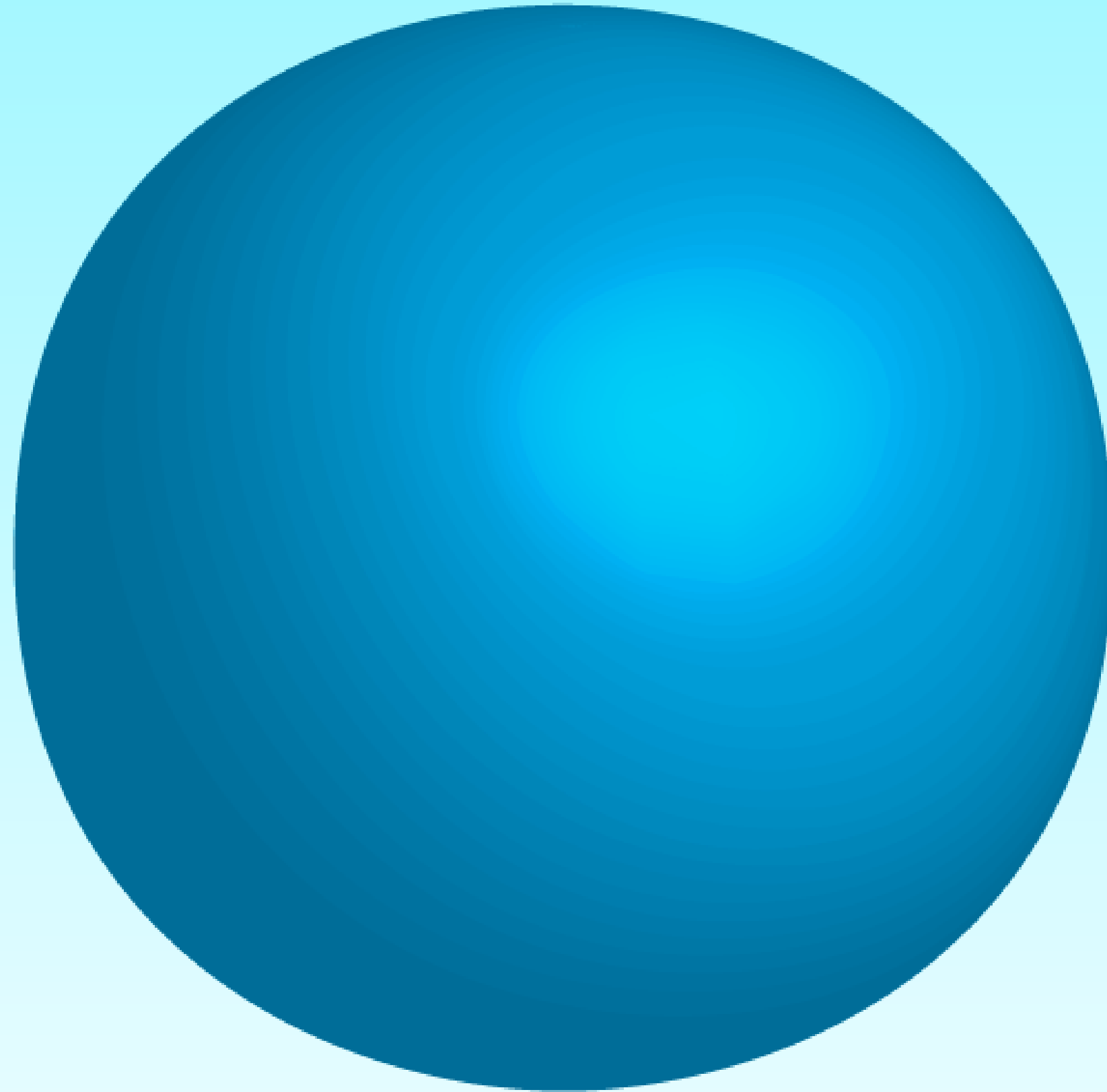
What are its properties?

Write down your ideas.



This shape is a SPHERE.

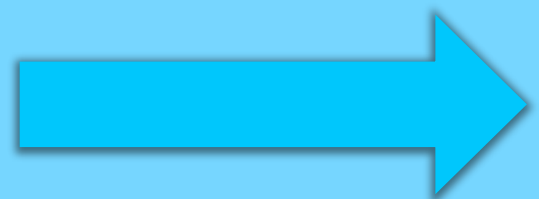
**It has 1 face and no
edges or vertices.**



What shape is this?

What are its properties?

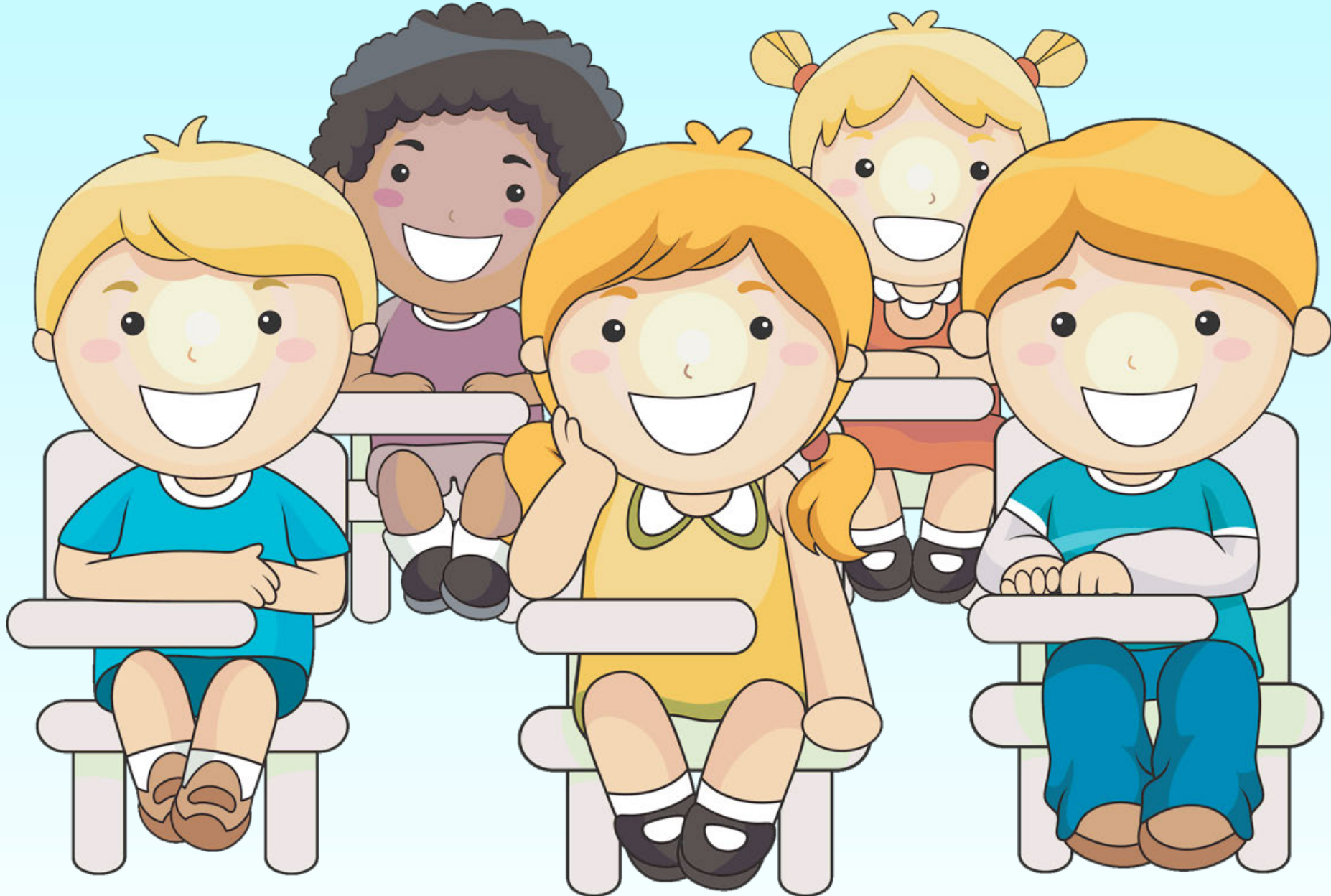
Write down your ideas.





This shape is a TRIANGULAR PRISM.

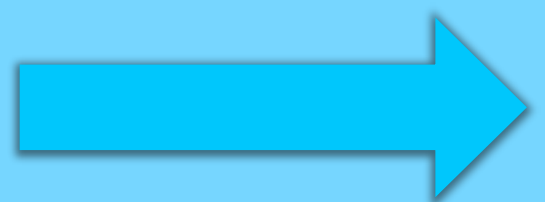
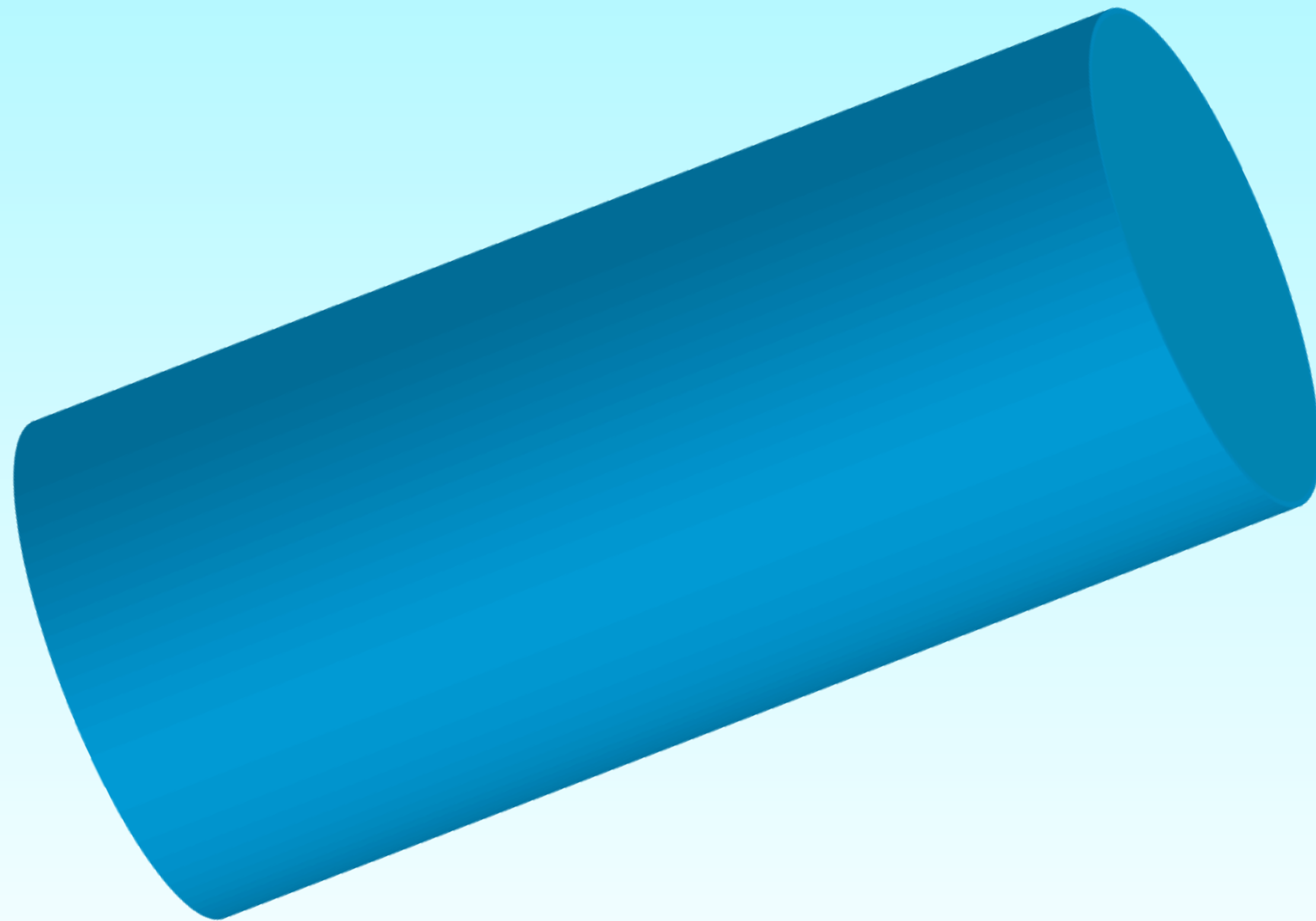
**It has 5 faces, 9 edges
and 6 vertices.**

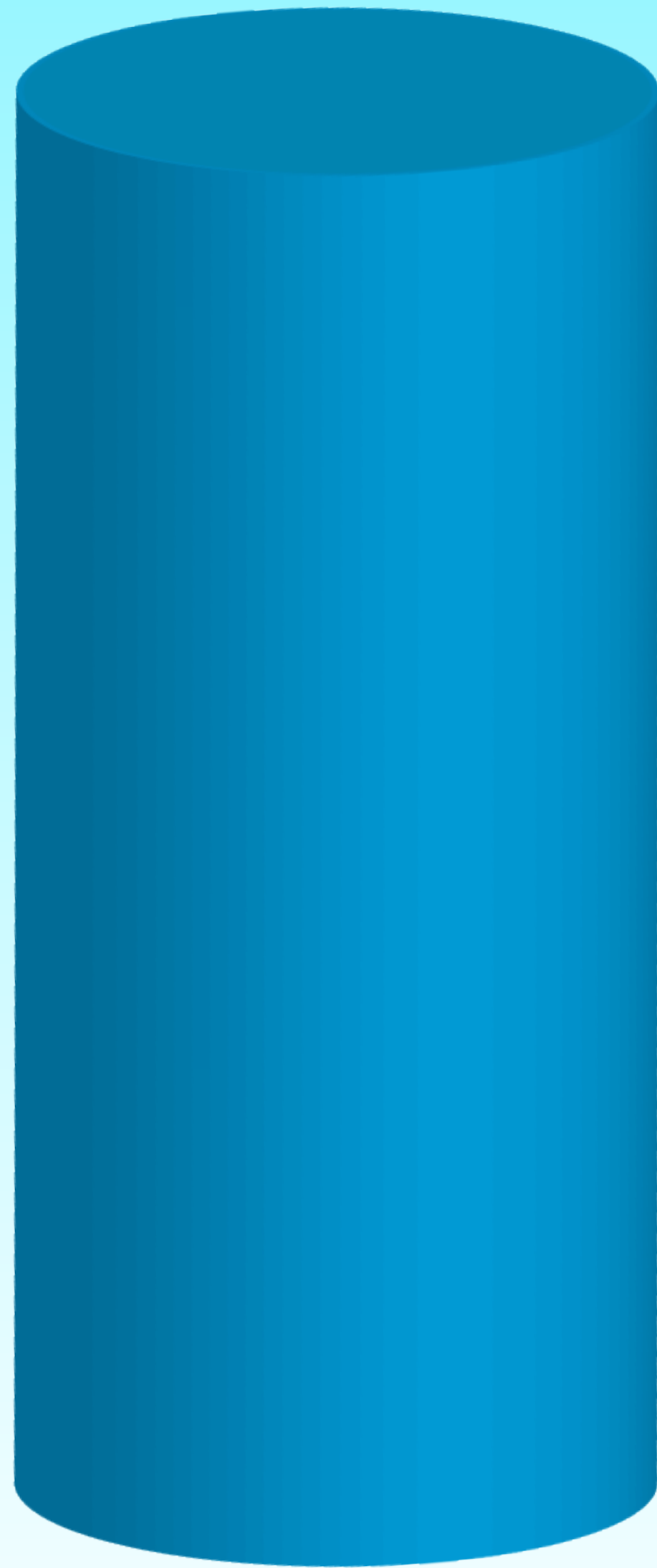


What shape is this?

What are its properties?

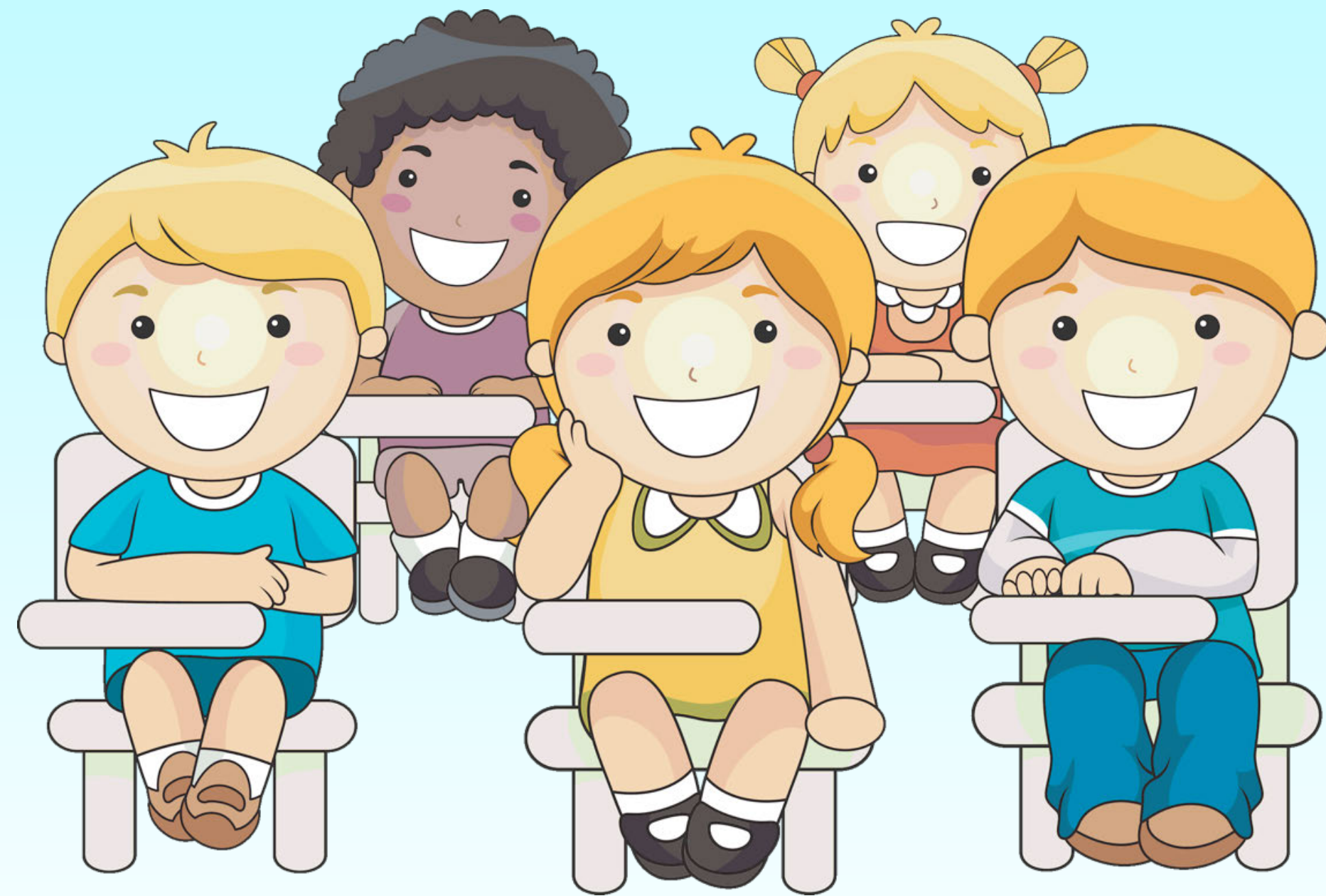
Write down your ideas.





This shape is a CYLINDER.

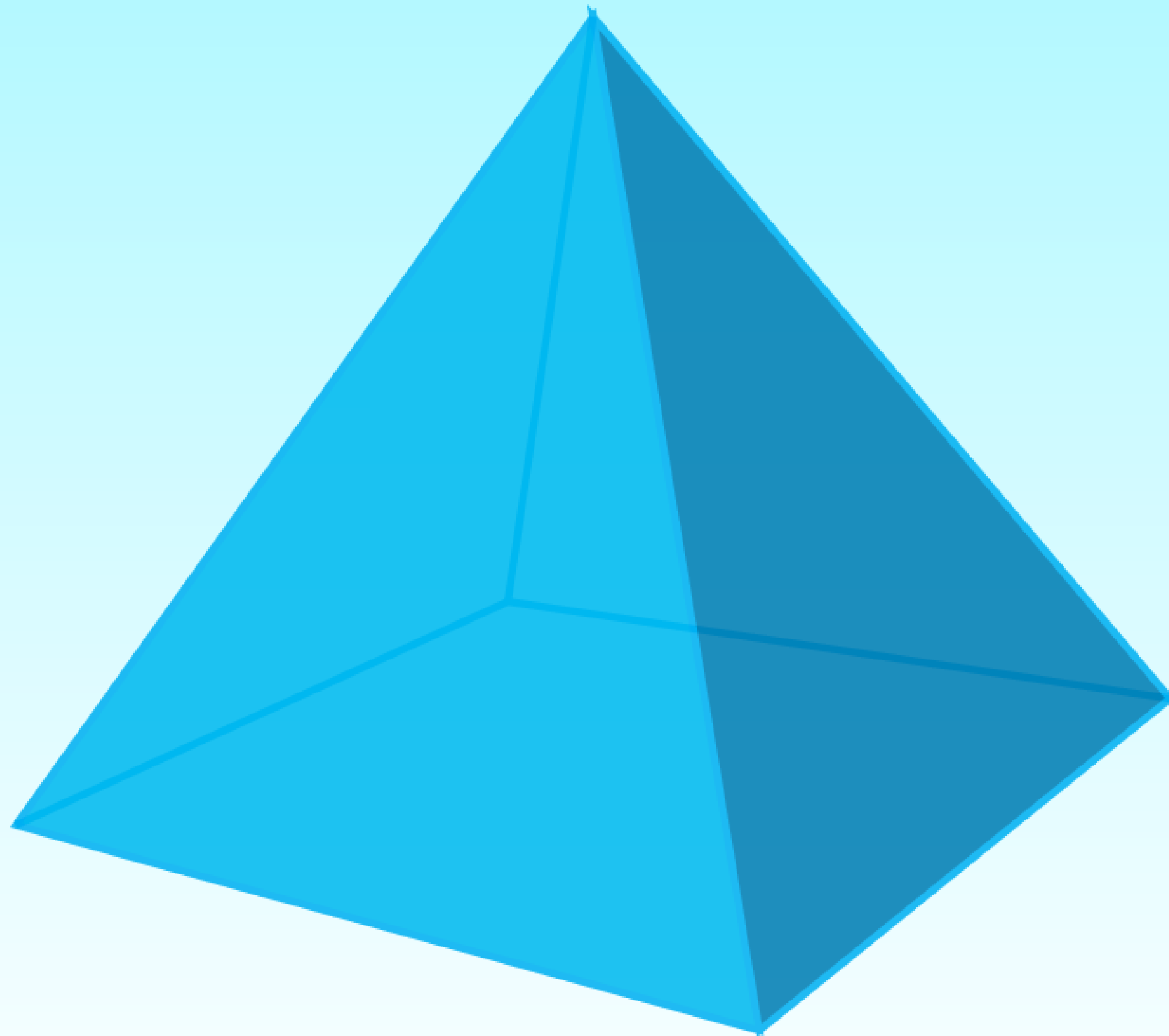
**It has 3 faces, 2 edges
and no vertices.**



What shape is this?

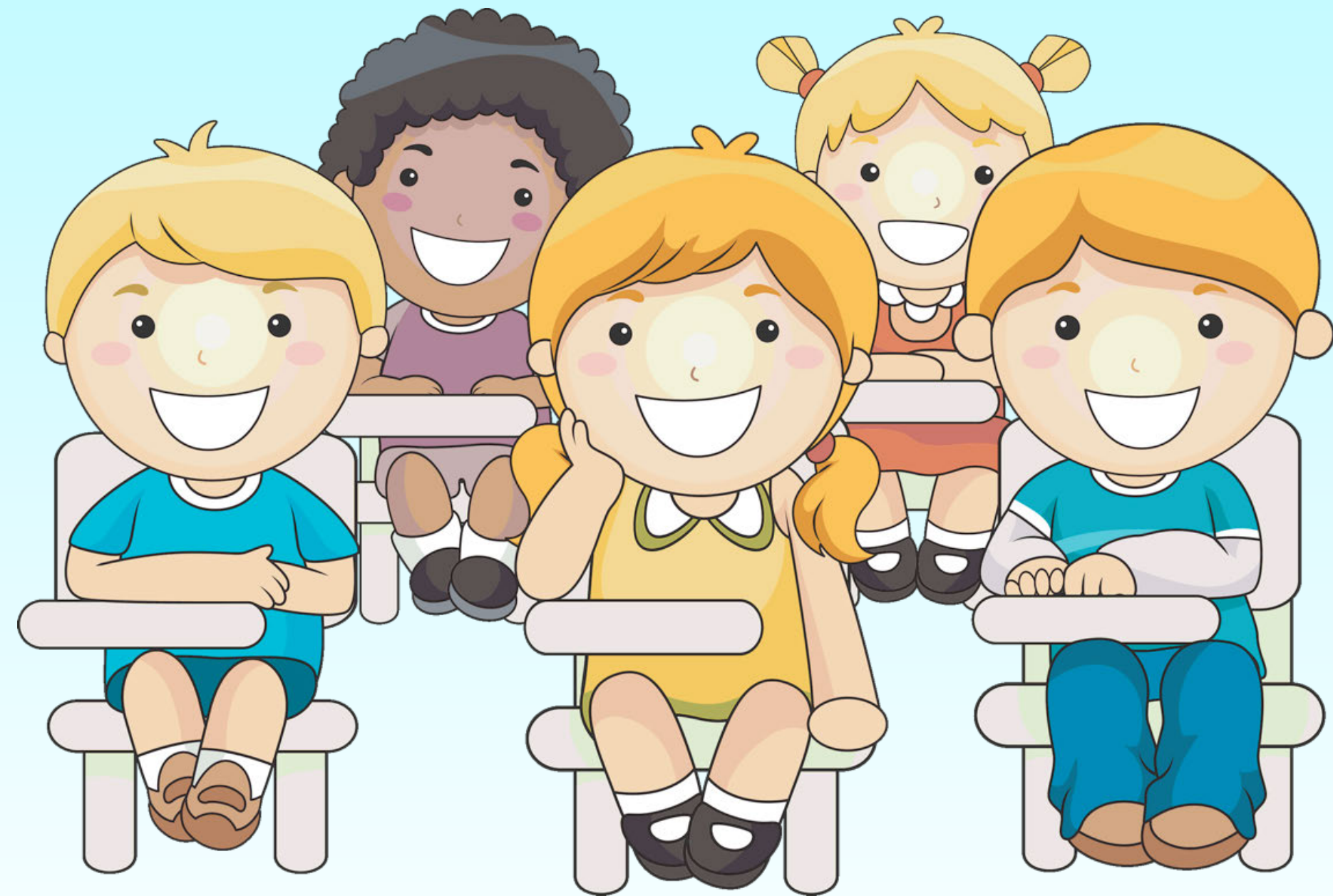
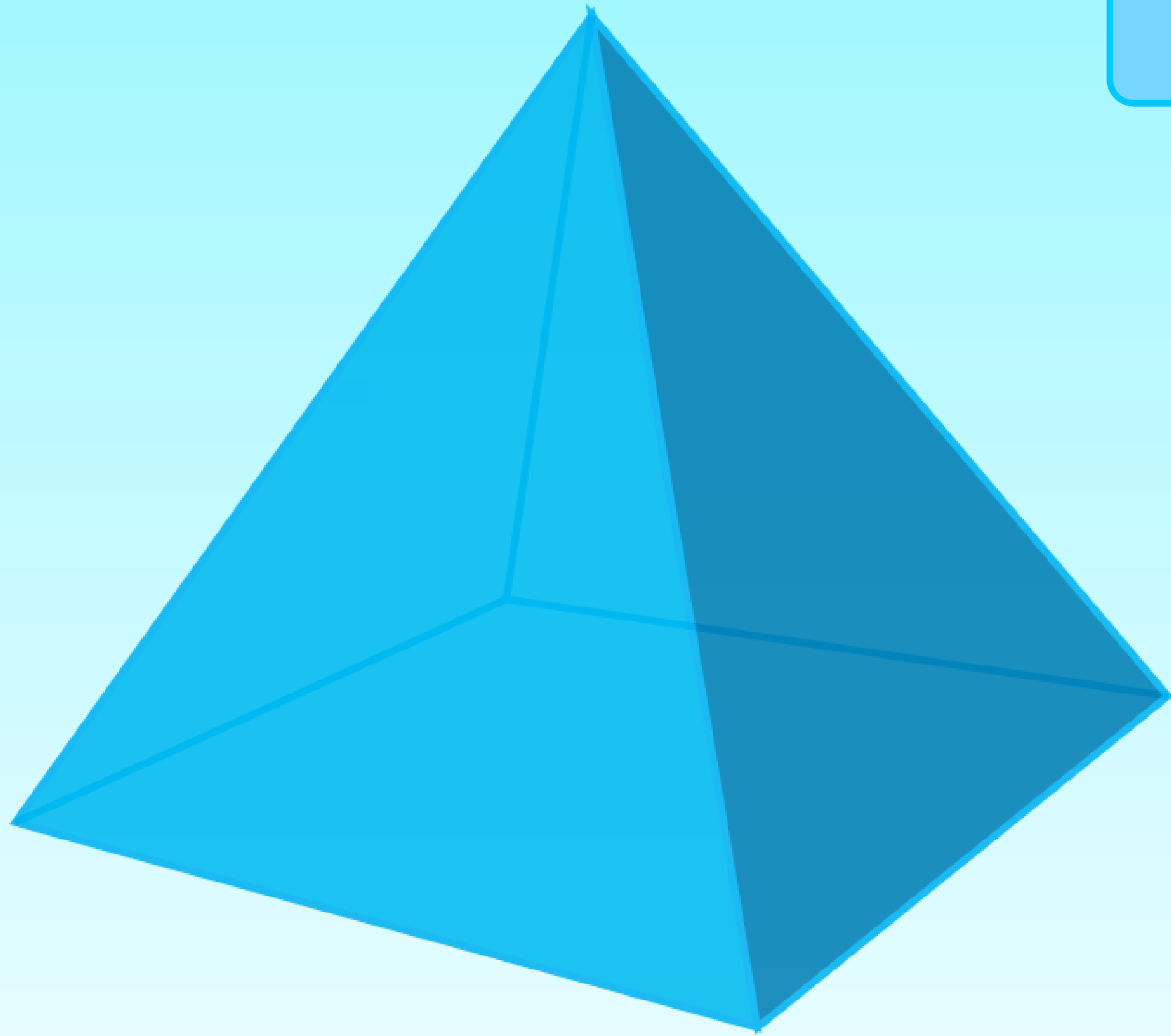
What are its properties?

Write down your ideas.



This shape is a PYRAMID.

**It has 5 faces, 8 edges
and 5 vertices.**

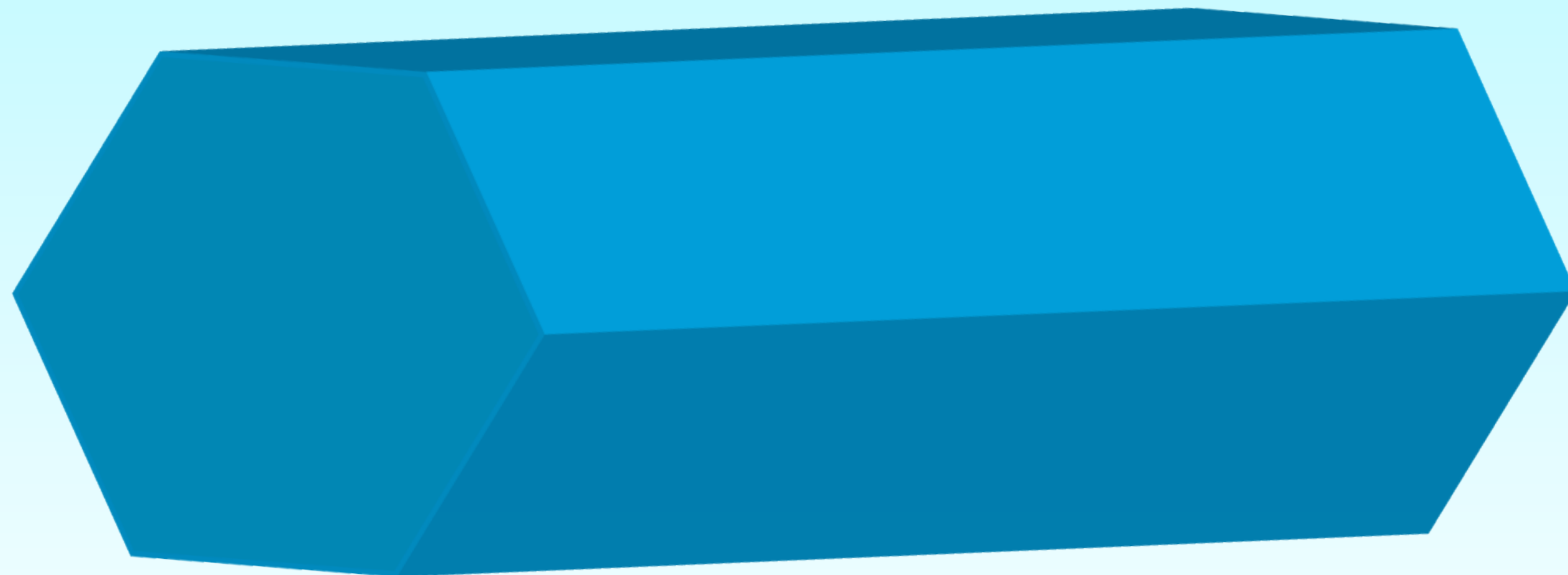


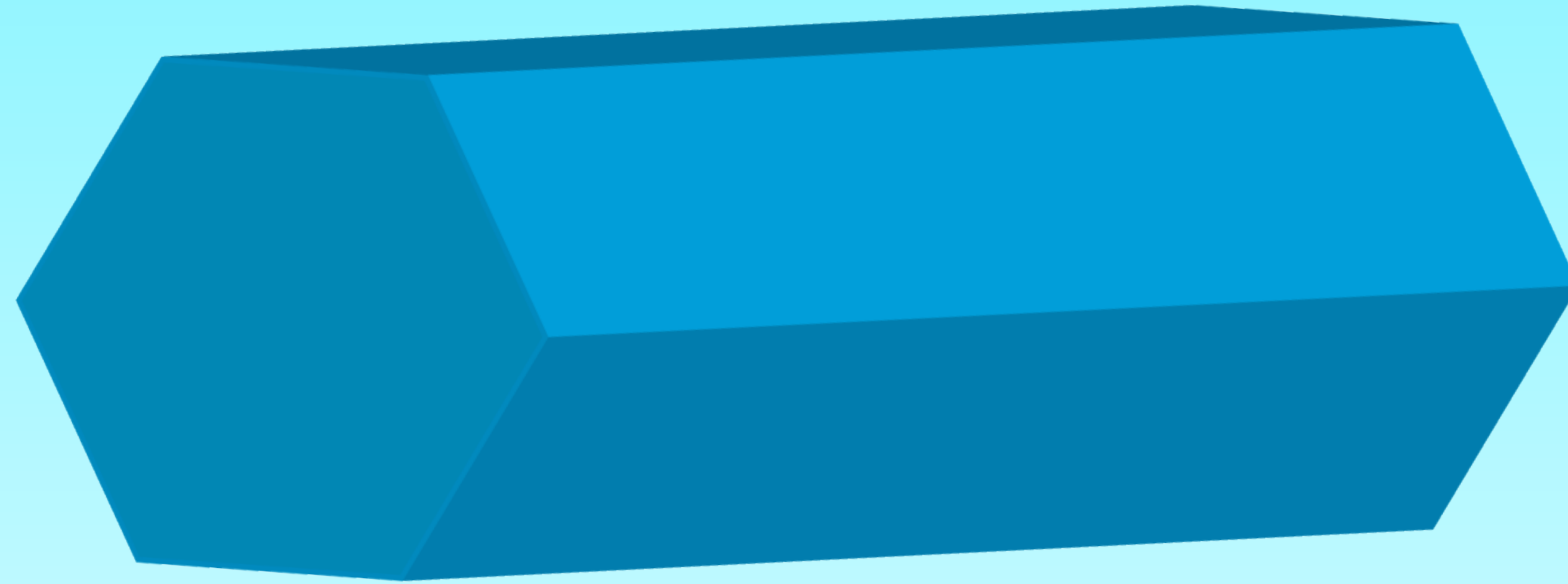
What shape is this?

What are its properties?

Write down your ideas.

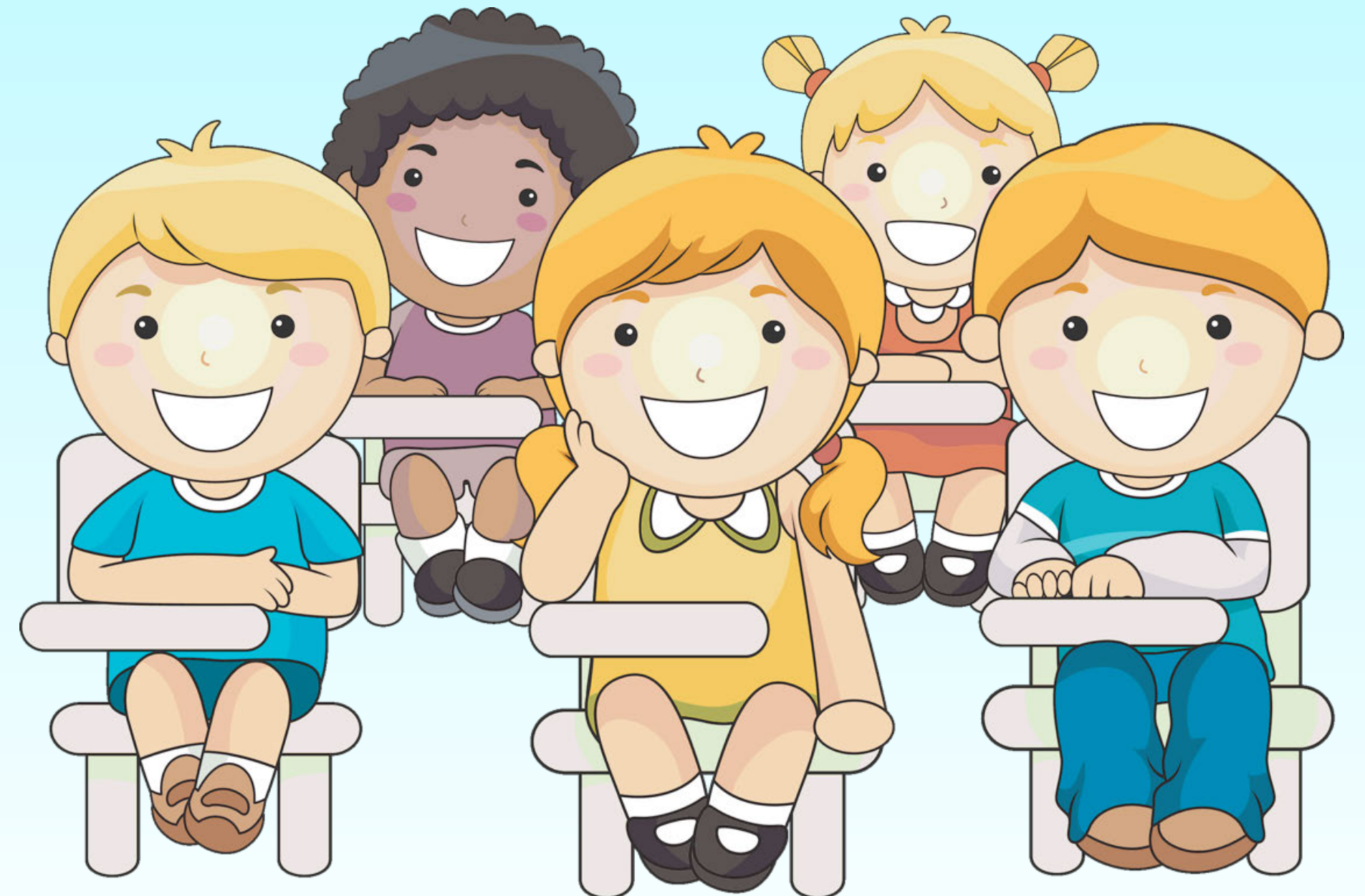
**This one is
tricky!**





This shape is a HEXAGONAL PRISM.

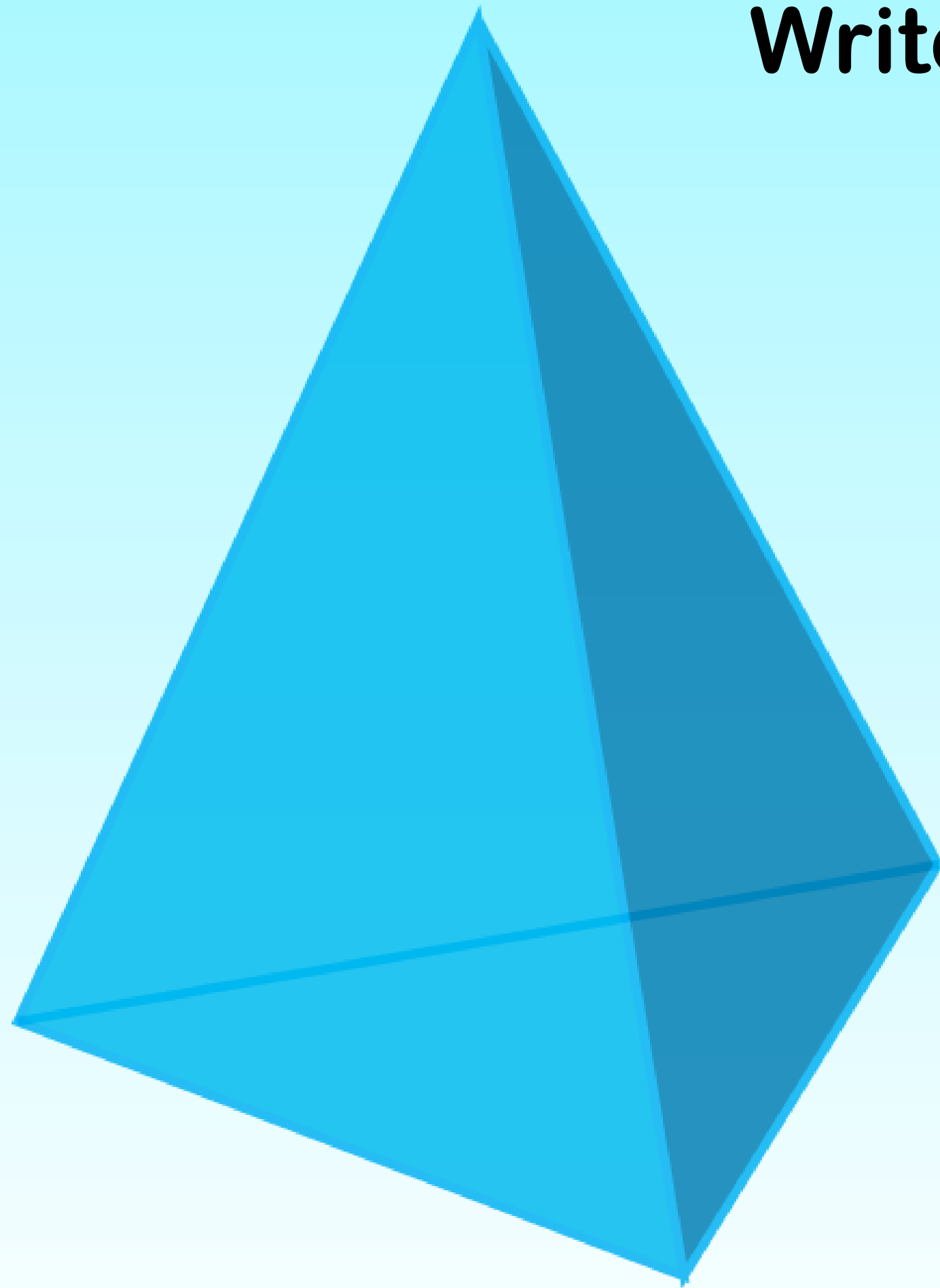
**It has 8 faces, 18 edges
and 12 vertices.**



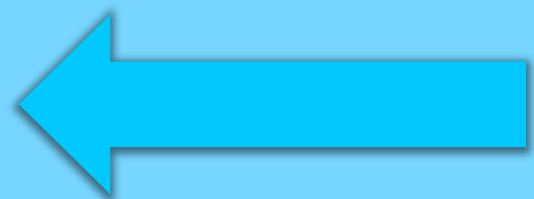
What shape is this?

What are its properties?

Write down your ideas.

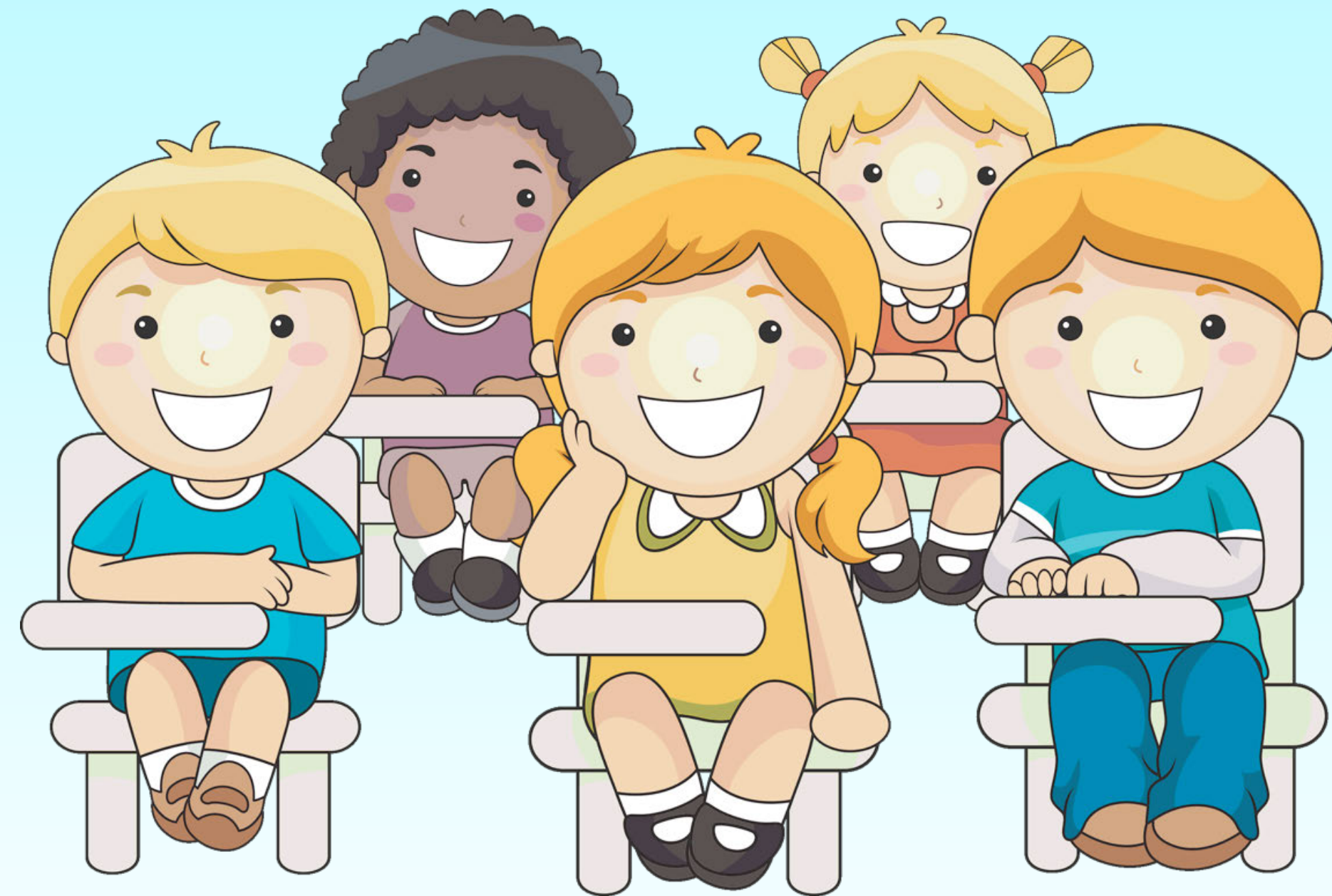
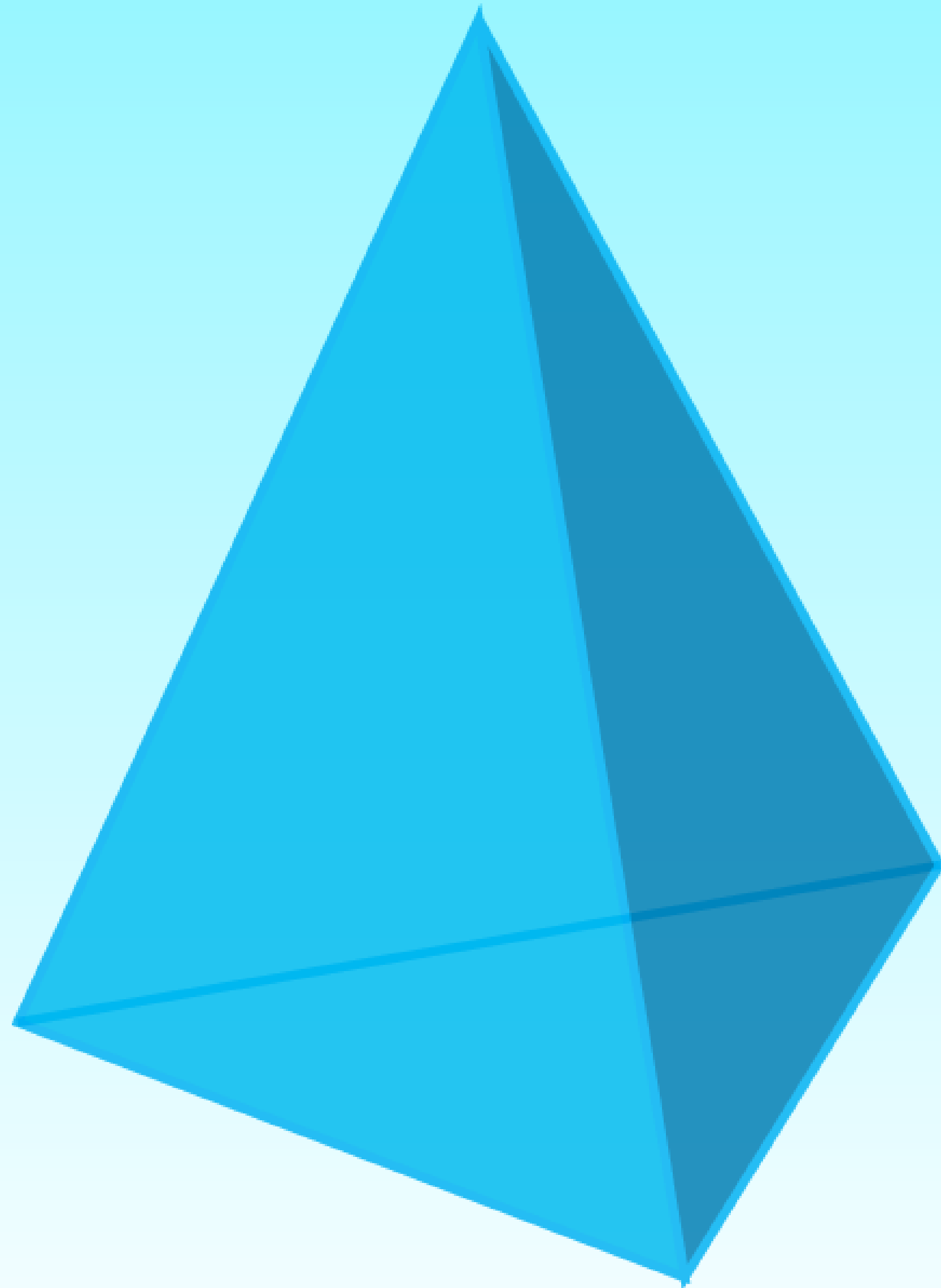


**This one has a
tricky name!**



This shape is a TETRAHEDRON.

It has 4 triangular faces, 6 edges and 4 vertices.





Well
done!



Here are some examples of 3D shapes in everyday life. How could you organise these shapes into groups?



marshmallows



basketball



ice-cream cone



chocolate bars



dice



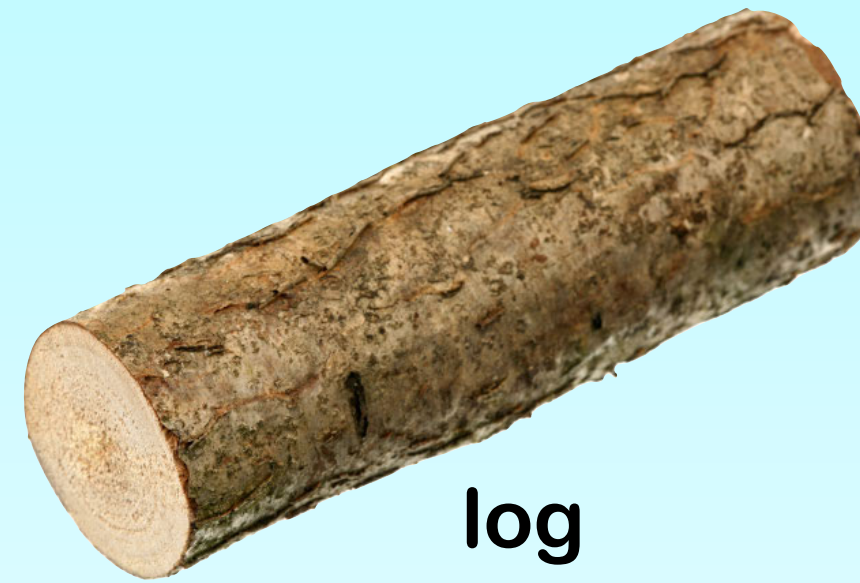
food tin



traffic cone



sugar lumps



log



box



globe



chest



bauble



clock



party hat



battery



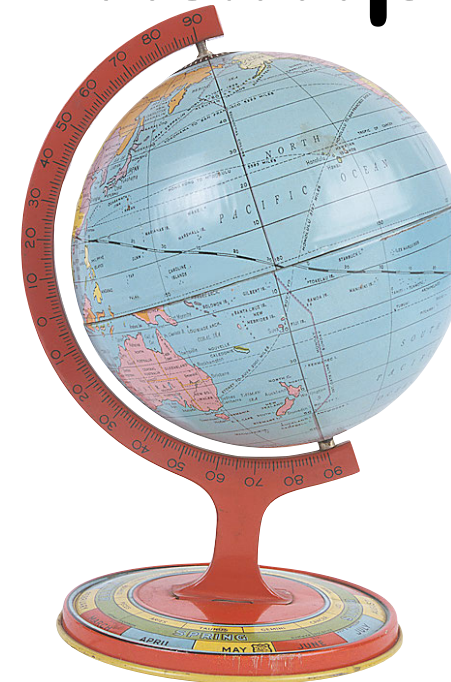
You could have organised them like this:



Examples of cylinders:



Examples of spheres



Examples of cubes



Examples of cones:



Did you find another way to organise them into groups?



Examples of cuboids:

