

In This Chapter, You Have Learned

- To identify polyhedra and their parts
- To identify cubes and rectangular prisms
- To identify pyramids, cylinders, cones, spheres, and their parts

Words You Know

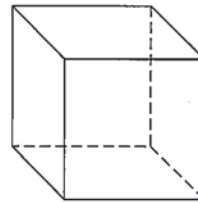
From the lists of "Words to Learn," choose the word or phrase that best completes each statement.

1. A(n) _____ is a three-dimensional shape with flat surfaces that are polygons.
2. A(n) _____ has one circular base.
3. A(n) _____ has all rectangular faces.
4. A(n) _____ is the set of all points in space a given distance from a given point.
5. A(n) _____ has two congruent polygons in parallel planes.
6. A(n) _____ has only one base that is a polygon.
7. A(n) _____ has two congruent circular bases.
8. A(n) _____ has all square faces.

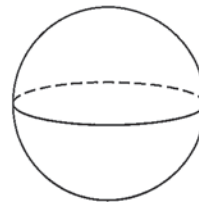
More Practice

Identify and label each three-dimensional shape and its parts. Then name the parts.

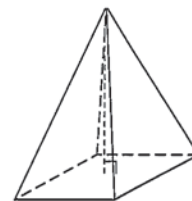
9. a. Name the shape. _____
b. Name the faces. _____
c. Name the edges. _____
d. Name the vertices. _____



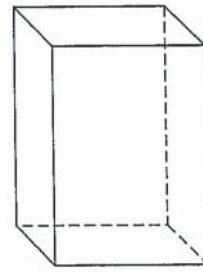
10. a. Name the shape. _____
b. Name the center. _____
c. Name a radius. _____
d. Name a diameter. _____



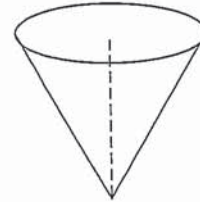
11. a. Name the shape. _____
b. Name the base. _____
c. Name the vertex. _____
d. Name the altitude. _____
e. Name the slant height. _____



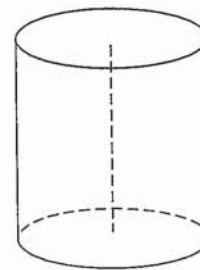
12. a. Name the shape. _____
 b. Name the bases. _____
 c. Name the lateral faces. _____
 d. Name the lateral edges. _____
 e. Name the edges. _____
 f. Name the vertices. _____



13. a. Name the shape. _____
 b. Name the base. _____
 c. Name the altitude. _____



14. a. Name the shape. _____
 b. Name the bases. _____
 c. Name the altitude. _____



Problems You Can Solve

15. Miriam just took three tennis balls out of a can shaped like a cylinder.
- a. Compare the diameter of the base of the can to the diameter of a tennis ball.

- b. Compare the height of the can and the diameter of the tennis balls. What is the shortest length the can might have, in terms of the diameter of the balls? _____

16. **For Your Portfolio** Find a box that is not shaped like a rectangular prism. Cut the box apart at the edges. Describe and compare the pieces. Then tape the pieces together at some of the edges so that you can fold them to make the original box. Draw a picture of how the pieces look after you tape them together. Do you think there is more than one way to tape them together? Why or why not?
- _____
- _____