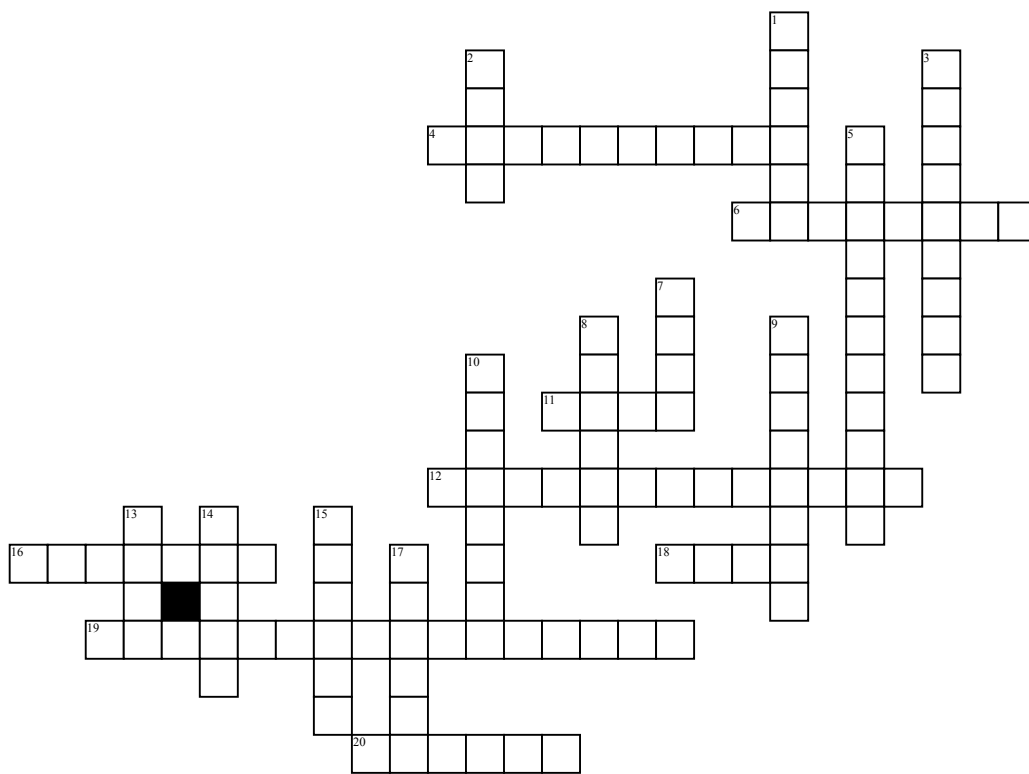


Volume



Across

4. $V = (2/3)\pi r^3$; half a sphere

6. each angular point of a polygon, polyhedron, or other figure ; the point of intersection

11. a place or part farthest away from the center of something ; the intersection of faces of a three-dimensional figure

12. the outer boundary ; distance around the outside of a circle

16. $V = lwh/3$; a structure with a square or triangular base and sloping sides that meet in a point at the top

18. $V = \pi r^2 h/3$; a solid object that tapers from a circular base to a point

19. $V = l \cdot w \cdot h$; a prism with rectangular bases

20. the amount of vertical space ; usually the longer side

Down

1. $V = 4/3\pi r^3$; a round solid figure with every point on its surface equidistant from its center

2. the size of a surface ; the amount of space of a two dimensional figure takes up

3. is a measure of volume ; it is equal to the volume of a cube

5. A side of a three-dimensional figure ; not the bases

7. $V = a^3$; a prism with six square faces

8. a straight line extending from the center of a circle or sphere to the circumference or surface ; half the circle's diameter

9. a straight line passing through the center of a circle or sphere ; meeting the circumference or surface at each end

10. $V = \pi r^2 h$; a solid object with two identical flat ends that are circular or elliptical and one curved side

13. the faces on the top and bottom of a three-dimensional figure ; length x width

14. extent of something from side to side ; usually the shorter side

15. the shortest distance from the base of a parallelogram to its opposite side ; how tall a figure measures

17. the amount of space that a three-dimensional figure contains; it is expressed in cubic units

Word Bank

width

cone

radius

edge

cubic unit

vertices

lateral face

sphere

diameter

pyramid

height

base

volume

length

area

rectangular prism

cube

cylinder

hemisphere

circumference