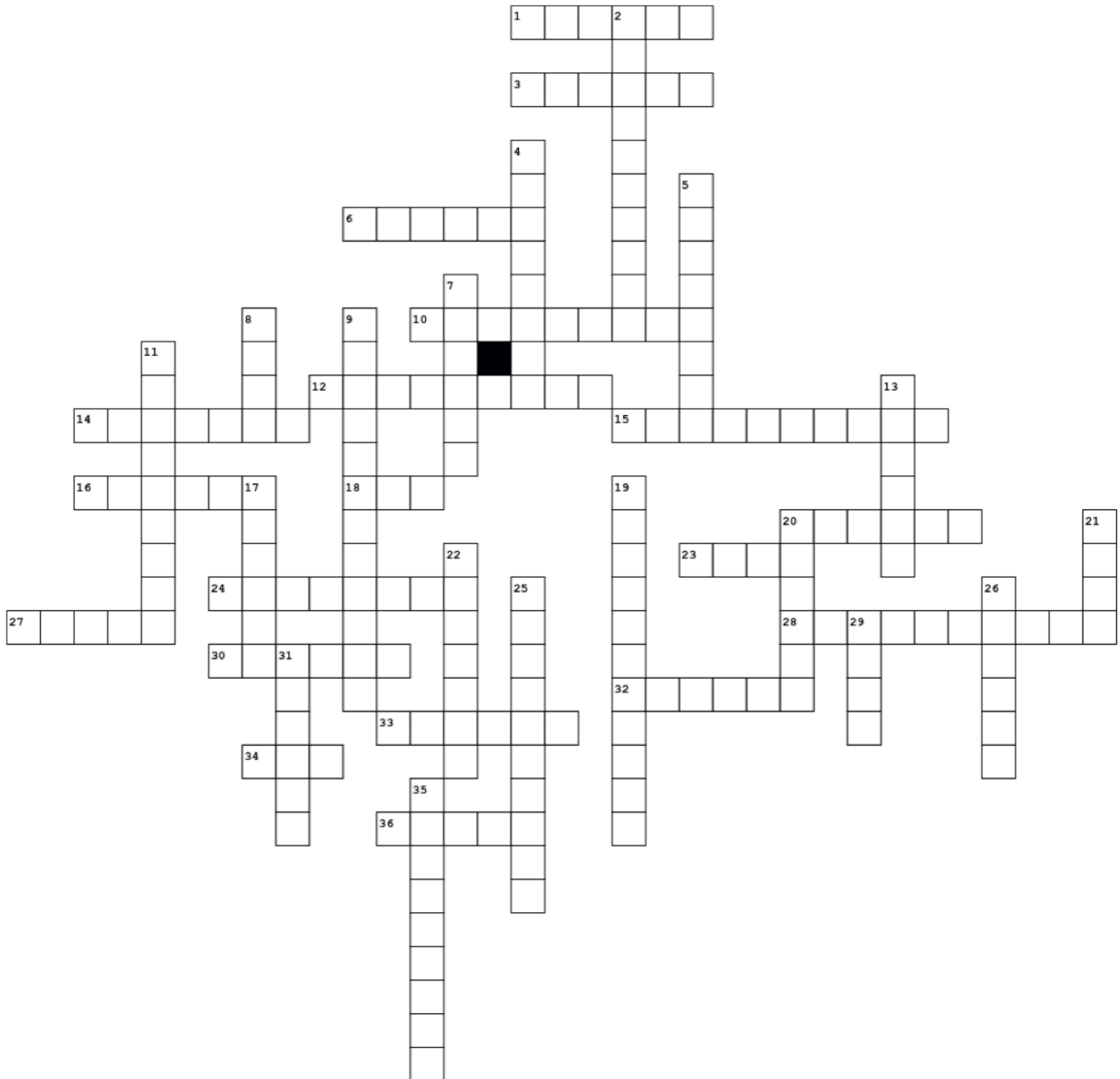# 3D Shapes - Vocabulary Crossword

Use the provided clues to fill in the blank squares of the crossword puzzle.

OpenSCAD Vocabulary Crossword - 3D Shapes

Use the provided clues to fill in the blank squares of the crossword puzzle.

Across

1. bring an existing 3D shape into your design

3. type of error that results from forgetting to use an ; to end an OpenSCAD statement

6. left-right axis when 3D printing

10. single character that terminates an OpenSCAD statement

12. a complete OpenSCAD instruction

14. process of drawing a quick, non-downloadable drawing of your design

15. included within ( )'s to communicate important characteristics of a shape

16. forward-backward axis when 3D printing

18. file format used to import 3D objects for 3D printing

20. distance between the center and the edge of a circle

23. rectangular prism with all edges the same size

24. type of number that indicates x-values to the left of the origin

27. operation used to group multiple shapes

28. operation used to "subtract" two shapes

30. uses [ ]'s to group related information together into a list

32. parameter that puts (0, 0, 0) in the middle of a cube

33. vertical axis when 3D printing

34. 2D view that eliminates the z-axis and only displays the xy-plane

36. 2D view that eliminates the y-axis and only displays the xz-plane

Down

2. 2D view of a 3D shape that eliminates the 3rd axis

4. type of number that indicates z-values above the origin

5. 3D shape with two circular faces

7. diagram that keeps track of axis orientation as you rotate your view

8. cylinder with two different radius values

9. operation that creates a new shape based on the overlap of multiple shapes

11. part of an OpenSCAD statement that modifies a characteristic of a shape

13. point at the center of the axis (0, 0, 0)

17. 3D shape with all surface points the same distance from the center of the shape

19. 3D view that can display dimensions of all three axes

20. process of fully evaluating 3D geometry to create a downloadable version of your design

21. 2D view that eliminates the x-axis and only displays the yz-plane

22. prism drawn by careful use of $fn in a cylinder shape

25. the default measurement of 1 unit in 3D printing

26. dimension most often associated with the vertical axis

29. the circular side of a cylinder

31. cube-based shape with at least one edge having a different size

35. operation that moves a shape to a new location