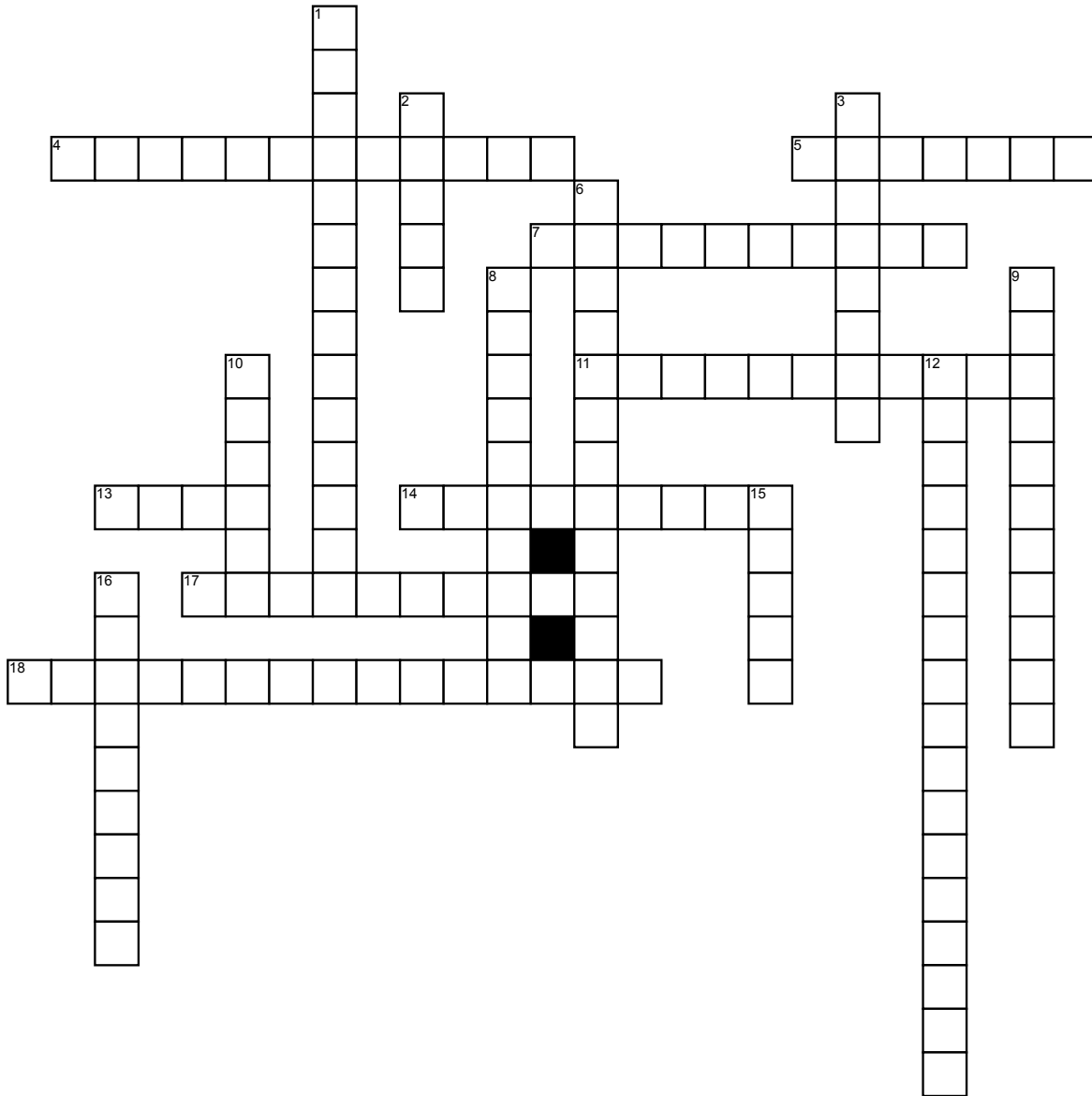


Name: _____

Figures in Space



Across

4. a prism whose lateral faces are not perpendicular to the plane of the base
5. a simple closed surface given by a polygon and a point not in the plane of the polygon
7. a prism whose lateral faces are all rectangles
11. a three-dimensional shape with four faces
13. a simple closed planar curve
14. two lines that do not belong to a common plane
17. a three-dimensional shape with six faces
18. If they are not perpendicular

Down

1. the numbers V of vertices, F of faces, and E of edges of a polyhedron are related by the formula $V + F = E + 2$
2. a simple closed surface that consists of two congruent polygons in parallel planes together with the lateral faces joining the bases, which are parallelograms
3. a simple closed surface generated by translating the points of a simple closed region in one plane to a parallel plane
6. If the line segments joining corresponding points in the two bases are perpendicular to the planes of the bases

8. a simple closed surface formed by planar polygonal regions
9. a three-dimensional shape with five faces
10. the set of points in space at a constant distance from the center
12. a polyhedron that has a convex surface, face that are congruent regular polygonal regions, and the same number of faces meeting at each vertex of the polyhedron
15. a space figure that is the union of all points on a simple closed surface and all points in its interior
16. Two Regions that are separated by a place