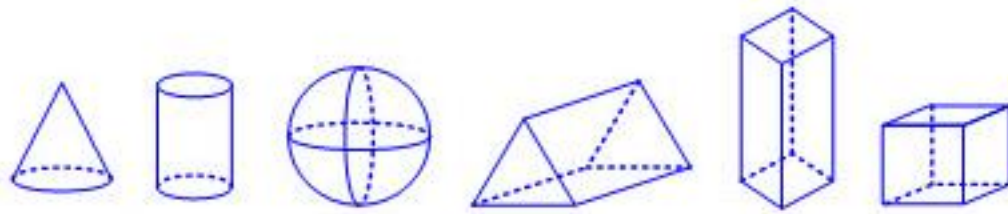**Possible Solutions**

Classify the objects below based on the numbers of edges, number of vertices, and bases.

a) Classified by the number of edges.

   The shapes that have edges are triangular prism, rectangular prism, and cube.
   The shapes that do not have edges are cone, cylinder, and sphere because they do have
   two flat surfaces meeting together.

b) Classified by the number of vertices.
   A cone has 1 vertex or apex, a cylinder and sphere have no vertices, a triangular prism
   has 6 vertices, and a rectangular prism and cube have 8 vertices.

c) Classified by the bases.
   The shapes that have bases are triangular prism, rectangular prism, cube, cone, and
   cylinder.
   The shape that does not have a base is a sphere because it does not have a flat surface.