Draw and Classify 3-Dimensional Figures

Identify various three-dimensional figures.

Vocabulary	
face	pyramid
edge	lateral surface
vertex	cylinder
base	cone
polyhedron	sphere
prism	hemisphere





















Other three-dimensional figures include *cylinders*, *cones*, and *spheres*. These figures are different from polyhedrons because they each have a curved surface and their bases are not polygons.

The **curved surface of a cylinder or a cone** is called a **lateral surface**.

















Vocabulary face edge vertex perspective vanishing point horizon line

Three-dimensional figures have *faces, edges*, and *vertices*.

A <u>face</u> is a flat surface, an <u>edge</u> is where two *faces* meet, and a <u>vertex</u> is where three or more edges meet.













Additional Example 1: Continued







<u>Perspective</u> is a technique used to make drawings of threedimensional objects appear to have depth and distance. In one-point perspective drawings, there is one <u>vanishing</u> <u>point</u>.





