## **Types of Solids**

(a) Prism: A solid whose base and top are identical polygons and side faces are rectangles, is called prism.

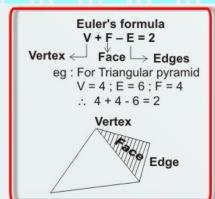


(b) Pyramid: A solid whose base is any polygon and side faces are triangles, all of which meets at the top to form a vertex is called a pyramid. Figures shows a pentagonal pyramid.



(c) Sphere: Sphere is a solid whose every point is equidistant from a fixed point. Figure shows the sphere.





## Solid Shapes

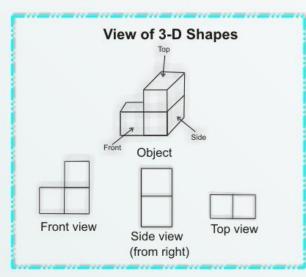
Objects that occupy space and have three dimensions [length, breadth and height or depth]

## Polyhedron

A solid which is made up of polygonal regions called faces is called a polyhedron.

- (a) Convex polyhedrons: The idea of convex polyhedrons comes from convex polygon.

  A convex polyhedron is one whose all faces are convex polygons.
- (b) Regular polyhedron: A polyhedron is regular if all its faces are regular polygons and same number of faces meet at each vertex.



## **NETS** 2 - D Representation of a 3- D figure Nets Solids