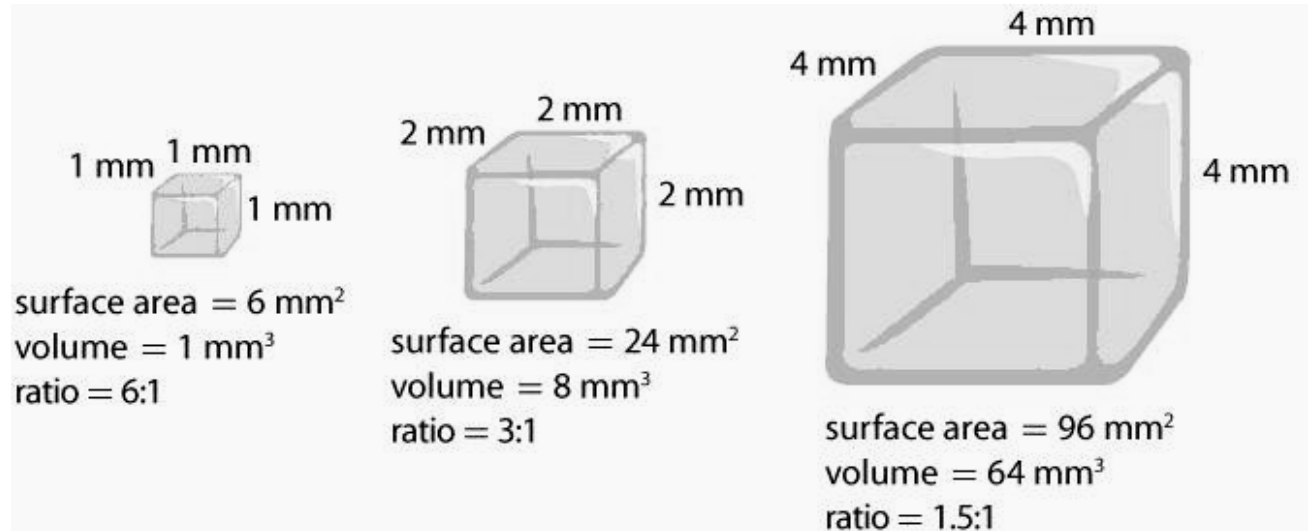


Surface Area to Volume Ratio

The ratio of surface area to volume is a key factor that limits cell size. In these model cells, an increase in the length of the cell from 1 mm to 4 mm causes the ratio of surface area to volume to decrease from 6:1 to 1.5:1.