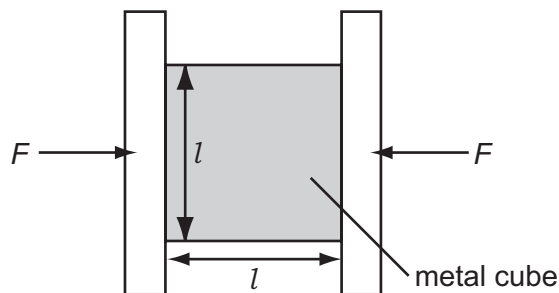


- 23 Pollen grains are suspended in a liquid and are illuminated strongly. When observed under a microscope they are seen to be in continuous random motion.

What is the reason for this?

- A convection currents in the liquid
 - B evaporation of the liquid
 - C molecules of the liquid colliding with the pollen grains
 - D pollen grains colliding with each other
- 24 Why does the pressure increase when a sealed container of gas is heated?
- A The gas molecules collide more often with each other.
 - B The gas molecules expand when they are heated.
 - C The gas molecules travel faster and hit the walls of the container more often.
 - D There are more gas molecules present to collide with the walls of the container.
- 25 A metal cube of side l is placed in a vice and compressed elastically by two opposing forces F .



How will Δl , the amount of compression, relate to l ?

- A $\Delta l \propto \frac{1}{l^2}$ B $\Delta l \propto \frac{1}{l}$ C $\Delta l \propto l$ D $\Delta l \propto l^2$

Space for working