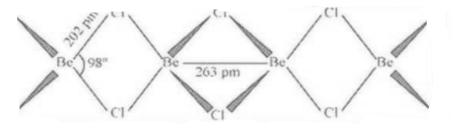
## **Related Problem with Solution**

Draw the structure of (i) BeCl<sub>2</sub> (Solid)

(ii) BeCl<sub>2</sub> (Vapour).

(i) Structure of BeCl<sub>2</sub> (solid)

BeCl<sub>2</sub> exists as a polymer in condensed (solid) phase.



(ii) In the vapour state, BeCl2 exists as a monomer with a linear structure.

$$CI - Be \xrightarrow{CI} Be - CI$$