

CL54_Q1. Discuss the concept of centro-symmetry in crystals.

CL54_Q2. What structural changes are observed in BaTiO_3 with change in temperature and explain why it loses spontaneous polarization above Curie temperature.

CL54_Q3. In what way do ferroelectrics differ from ordinary dielectrics?

CL54_Q4. Discuss the BaTiO_3 unit cell in the ferroelectric phase.

CL54_Q5. Draw the unit cell structure of Barium titanate when it is in the paraelectric phase when no electric field is applied to it.