

MODEL ACTIVITY TASKS
CLASS – XII
CHEMISTRY

Chapter : The solid state

Write the answers to the following questions :

1. Two elements A and B form a crystalline compound where the B atoms are arranged in a hexagonal close-packed structure. If half of the octahedral holes are occupied by A atoms what is the probable formula of the compound ?
2. In which type of crystals are Frenkel defects most likely to occur ? Mention the name and formula of a crystalline compound where such defects are found.
3. Explain why a faint yellow tint is seen when zinc oxide crystals are heated .
4. Which type of semiconductor is formed when a controlled amount of a group 15 element like phosphorus is used to dope silicon ?
5. Explain what is meant by a ferromagnetic substance .

Students will write answers to these activity tasks in subject specific exercise books at home, and submit the exercise books to respective subject teachers after schools reopen. Under no circumstance, students will go out of home.