

Question 26 (3 marks)

Some materials become superconductors when cooled to extremely low temperatures.

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Identify THREE properties of superconductors.

- It generates an external magnetic field^{force}, repelling all magnets
- As temp is so low, the resistance of the superconductor is zero. Electrons can travel through it without losing energy
- The crystal lattice of the conductor is very still, as temp is so low, its frozen