

Question 26 (3 marks)

Some materials become superconductors when cooled to extremely low temperatures. 3

Identify THREE properties of superconductors.

- * Superconductors have a critical temperature below which they offer zero resistance to current.
- * Superconductors are usually made of complex metal ceramics, and are often very brittle.
- * Superconductors will exclude any external magnetic field applied to them, producing a levitation effect.