Question 27 (4 marks)

There are two areas in which energy savings can be made by the use of superconductors.

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These are:

- · electricity generation and transmission;
- transportation.

Discuss how energy savings can be achieved in each of these two areas.

It superconducting wires were used in the transmission of electricity then no energy volled be lost due to heat nesalting in cheaper electricity. It would also be possible to store electricity in a super conductor. Maplet trains are being developed which were super conductors for benitation. This towers costs as the train does not have to over come the force of friction when starting.