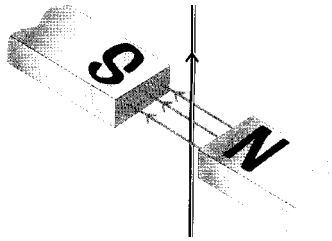
FLEMING'S LEFT HAND RULE

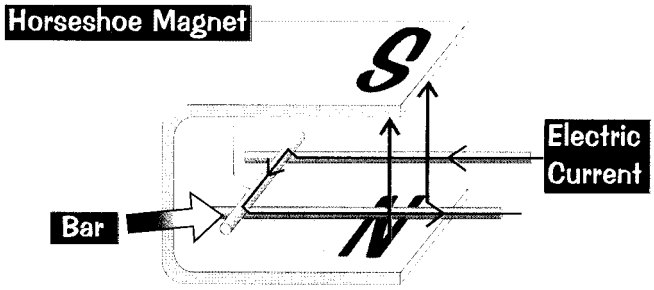
1. Describe Fleming's left hand rule, and how it allows you to obtain the direction of the force on a current carrying wire

2. The diagram below shows a wire in a magnetic field.



   (a) COPY OUT the diagram, and show, with an arrow, the direction of the force on the wire.
   (b) What two things could be done to increase the force on the wire/
   (c) What would happen to the force if
      (i) the current was reversed,
      (ii) the magnetic field was reversed (with the current in the original direction
      (iii) both were reversed from there original directions.

3. The diagram below shows a bar placed in magnetic field.



   What is the direction of the force - to the left or to the right?

4. Copy the following diagram, and show on it
   (a) the direction of the field
   (b) the direction of the current
   (c) the direction of the force.