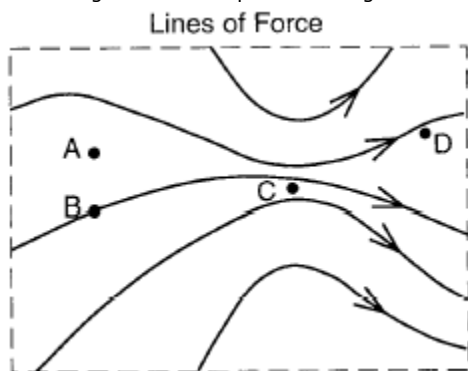


IX. Magnetism Flash Cards

1. The diagram below represents magnetic lines of force within a region of space.

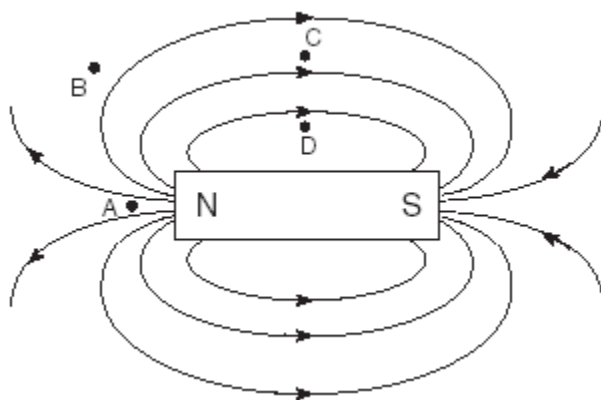


The magnetic field is strongest at point

- (1) A (2) B (3) C (4) D

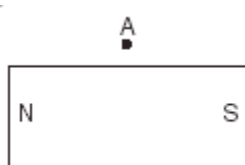
Answer:

2. The diagram below represents the magnetic lines of force around a bar magnet. At which point is the magnitude of the magnetic field strength of the bar magnet the greatest?



Answer:

3. The diagram below shows a bar magnet.



Which arrow best represents the direction of the needle of a compass placed at point A?

- (1) ↑ (2) ↓ (3) → (4) ←

Answer:

4. The factors affecting resistance in a conductor are _____, cross-sectional area, _____, and resistivity. (see equation)

4a.

5. Moving electric charges produce _____ fields.

4b.

6. The relative motion between a conductor and a magnetic field may produce a _____ difference in the conductor.

5.

6.