

4 Magnetism and static – Part 1 — Answers

Answers

Work through these after trying the questions yourself.

4.1 Same (like) poles repel; different (unlike) poles attract.

4.2 Any two of: iron, steel, cobalt, nickel.

4.3 Out of the north (N) pole and into the south (S) pole.

4.4 Electrons moved from the cloth onto the rod, so the rod gained electrons and became negative (and the cloth became positive).

4.5 A conductor lets electric charge flow through it easily (it has free electrons); an insulator does not let charge flow.

4.6 Both rods carry the same (negative) charge, and like charges repel, so the rods push apart.