

Solutions

Each answer shows the steps, then the **result**.

2.1

- closed loops

2.2

- because there are no magnetic monopoles for them to start or end on

2.3

- ferromagnetic

3.1 B

3.2 C

3.3

(a)

- each piece is a complete magnet with its own north and south pole

(b)

- magnetic poles only exist in pairs — no monopoles — so a new north-south pair forms at the cut