

## 8J Magnets and electromagnets

complete the sentence

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Place the right word or words to complete the sentence:

 Click mouse to reveal answer

move

force

iron

opposite

lines

search

magnet

stroking

vibrate

- a) A magnet exerts a\_\_\_\_\_ of attraction on other magnets, iron, nickel and cobalt.
- b) There is a magnetic field around a \_\_\_\_\_ and also around the Earth.
- c) Loudspeakers work by using large magnets to\_\_\_\_\_ the speaker membrane.
- d) You can magnetise iron by \_\_\_\_\_ it with a permanent magnet.
- e) In magnets, \_\_\_\_\_ poles attract, same poles repel.
- f) Iron filings show the\_\_\_\_\_ of force around a bar magnet.
- g) Electromagnets are used by army personnel to\_\_\_\_\_ for buried land mines.
- h) We can sort scrap aluminium from scrap\_\_\_\_\_ by using an electromagnet.
- i) A simple door bell uses an electromagnetic to\_\_\_\_\_ the striking clanger.

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- a) A magnet exerts a force of attraction on other magnets, iron, nickel and cobalt.
- b) There is a magnetic field around a magnet and also around the Earth.
- c) Loudspeakers work by using large magnets to vibrate the speaker membrane.
- d) You can magnetise iron by stroking it with a permanent magnet.
- e) In magnets, opposite poles attract, same poles repel.
- f) Iron filings show the lines of force around a bar magnet.
- g) Electromagnets are used by army personnel to search for buried land mines.
- h) We can sort scrap aluminium from scrap iron by using an electromagnet.
- i) A simple door bell uses an electromagnetic to move the striking clanger.