

- 6 Fig. 6.1 shows a person using a magnetic window cleaner. The part on the outside of the window is attracted to the inside part through the glass window.

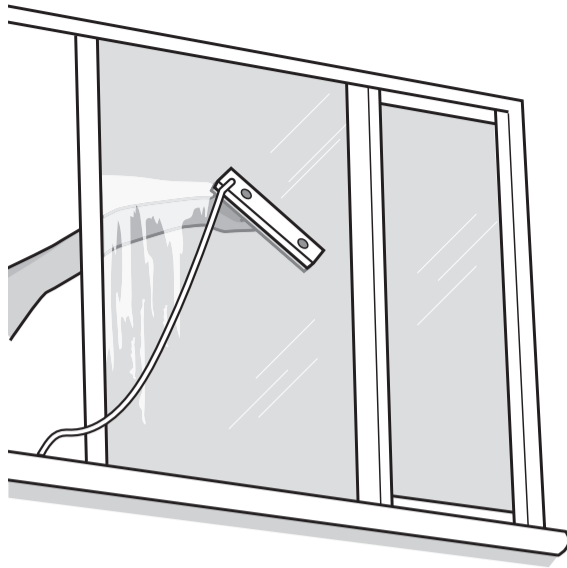


Fig. 6.1

Each part of the window cleaner contains two magnets. Fig. 6.2 shows the magnetic field between the parts of the window cleaner.

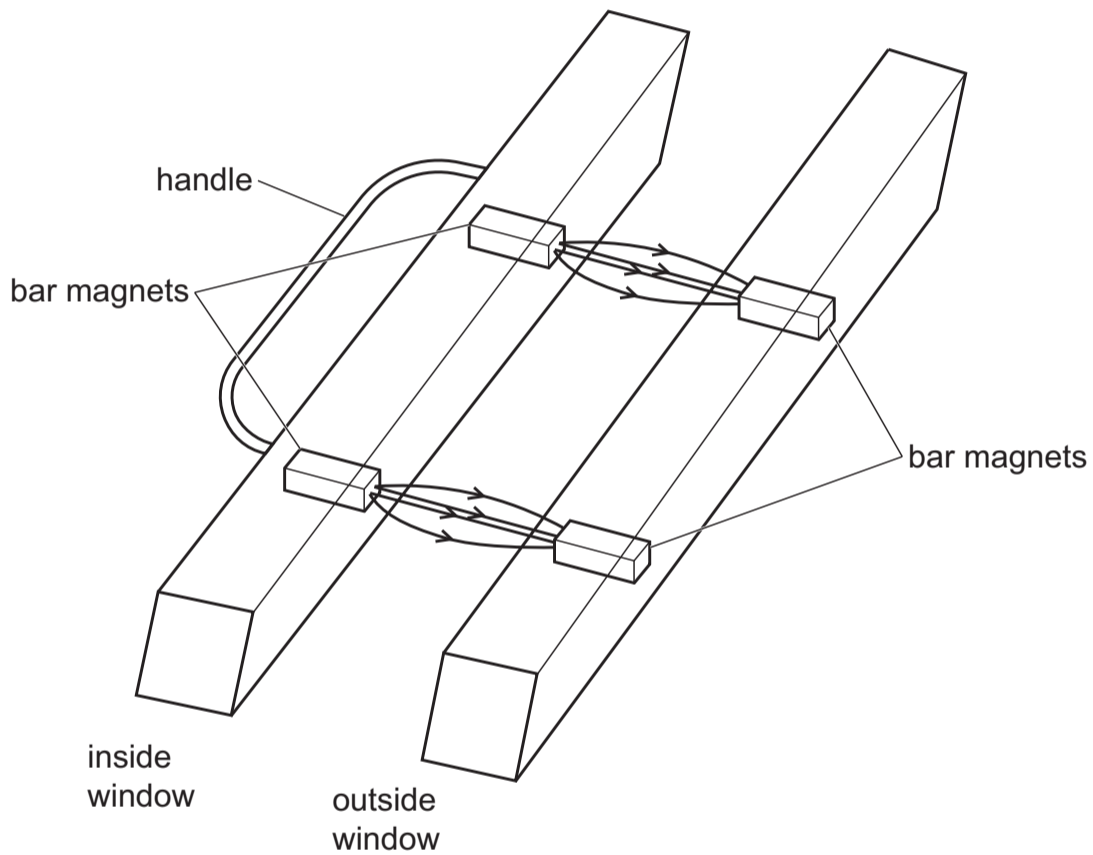


Fig. 6.2

- (a) Glass is **not** a magnetic material.

State the difference between magnetic and non-magnetic materials.

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 ..... [1]

- (b) Suggest a suitable material for the magnets in the window cleaner. Explain your answer.

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 ..... [1]

- (c) Label the poles of the magnets in Fig. 6.2.

[1]

- (d) State how the field lines in Fig. 6.2 show different strengths of the magnetic field between the magnets.

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