Chapter 8

What are Magnets?

Notes

Complete the following sentences.

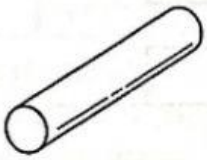
8.1 Magnets and their types

1. ☐☐☐☐☐☐☐ can be natural or man-made.

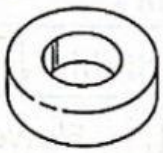
2. ☐☐☐☐☐☐☐☐☐☐ are natural magnets.

3. ☐☐☐-☐☐☐☐ magnets come in various shapes and sizes.

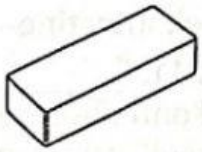
4. Below are some examples of man-made magnets.



(a) ☐☐☐ magnet



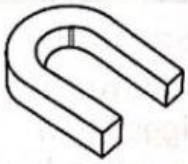
(b) ☐☐☐☐ magnet



(c) ☐☐☐ magnet



(d) ☐☐☐☐☐☐ magnet



(e) U-shaped magnet



(f) Horseshoe magnet

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8.2 Characteristics of magnets

A magnet has two magnetic poles

1. All magnets have two magnetic ☐☐☐☐☐.

2. The two poles are the North pole and ☐☐☐☐☐ pole.

3. A magnet can attract (pull) or ☐☐☐☐☐ (push) another magnet at a distance.

A magnet attracts only magnetic materials

4. Magnetic materials are materials that can be ☐☐☐☐☐☐☐☐ by a magnet.

5. Examples of ☐☐☐☐☐☐☐ materials are iron and steel.

6. Non-magnetic materials are materials that cannot be attracted by a ☐☐☐☐☐☐ at all.

7. Examples of ☐☐☐-☐☐☐☐☐☐☐ materials include wood, plastics, glass and rubber.

8. Certain ☐☐☐☐☐☐ such as copper and aluminium are non-magnetic.

A magnet is strongest at its poles

9. Attraction is strongest at the ☐☐☐☐☐ of a magnet.

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