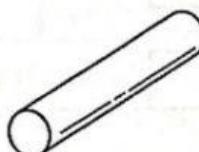


**Notes**

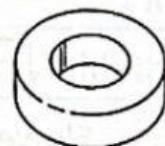
Complete the following sentences.

### 8.1 Magnets and their types

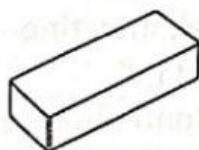
1.        can be natural or man-made.
2.         are natural magnets.
3.    -     magnets come in various shapes and sizes.
4. Below are some examples of man-made magnets.



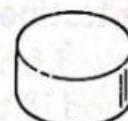
(a)    magnet



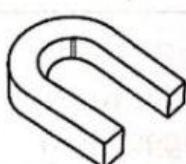
(b)     magnet



(c)    magnet



(d)       magnet



(e) U-shaped magnet



(f) Horseshoe magnet

## 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.