

MAGNETS

TYPES OF MAGNETS AND PROPERTIES OF MAGNETS

Name : _____
Class : _____
Date : _____

MARKS

____ / 17

A magnet is an object that produces a **magnetic force**. It can **attract** certain materials.

A. TYPES OF MAGNETS – Write the name of each type of magnet in the space provided.

1



2



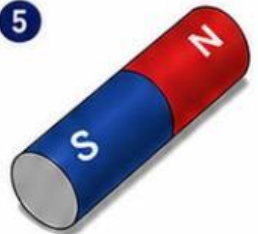
3



4



5



B. PROPERTIES OF MAGNETS – Read each statement and write **TRUE** or **FALSE** in the box.

1	Magnets can attract all materials.	
2	Magnets can attract materials such as iron, nickel and cobalt.	
3	Like poles of magnets (North–North or South–South) attract each other.	
4	Unlike poles of magnets (North–South) attract each other.	
5	Magnets have only one pole.	
6	The magnetic force is strongest at the poles of a magnet.	
7	Magnets can attract through some materials like paper and plastic.	

C. CHOOSE THE CORRECT ANSWER – Circle the best answer.

1. Which of the following is **NOT** a type of magnet?

- A. Bar magnet B. Horseshoe magnet
C. Ring magnet D. Rubber magnet

2. Which materials are attracted by a magnet?

- A. Wood and plastic B. Iron and nickel
C. Glass and paper D. Copper and aluminium

3. What happens when the North pole of a magnet is brought near the South pole of another magnet?

- A. They repel.
B. They attract.
C. Nothing happens.
D. They become weaker.

4. Where is the magnetic force the strongest?

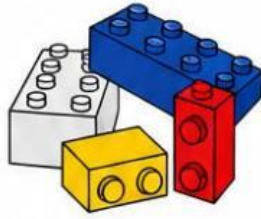
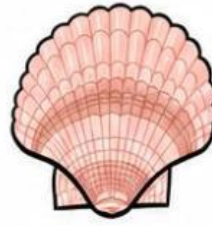
- A. In the middle of the magnet
B. At the poles of the magnet
C. At the corners of the magnet
D. All over the magnet equally

5. Which of the following shows a pair of like poles?

- A. North and South
B. North and North
C. South and North
D. South and South

Q7

Tick (✓) the magnetic objects:


☐ Steel can

☐ Blocks

☐ Shell

☐ Cobalt ring

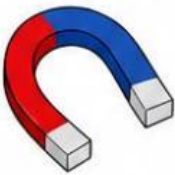
☐ Glass

☐ Nickel keyring

☐ Sponge

☐ Steel spanner
Q8

Name each type of magnet below:



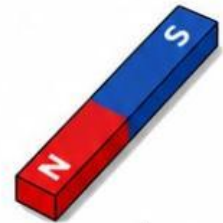
a



b



c



d

Q15

Observe the pictures A and B.

Which of the following statements is correct for the below given pictures?

A**B**

- ☐ In A, cars 1 and 2 will come closer and in B, cars 3 and 4 will come closer.
☐ In A, cars 1 and 2 will move away from each other and in B, cars 3 and 4 will move away.
☐ In A, cars 1 and 2 will move away and in B, cars 3 and 4 will come closer to each other.
☐ In A, cars 1 and 2 will come closer and in B, cars 3 and 4 will move away from each other.