

## CHAPTER-4 | Exploring Magnets

QUIZ  
PART-01

1. Which set lists only magnetic materials?

- A. Wood, glass, plastic
- B. Iron, nickel, cobalt
- C. Cotton, rubber, paper
- D. Glass, water, air (B)

**Explanation :** Iron, nickel, and cobalt are listed as materials attracted to magnets.

2. Which object is non-magnetic?

- A. Iron nail
- B. Nickel coin
- C. Wooden pencil
- D. Cobalt rod (C)

**Explanation :** Wood is a non-magnetic material and does not get attracted to a magnet.

3. Which natural magnet was used in early magnetic compasses?

- A. Lodestones
- B. Quartz
- C. Granite
- D. Gypsum (A)

**Explanation :** Lodestones are identified as natural magnets used in early compasses.

4. Which statement about types of magnets is correct?

- A. Only natural magnets exist
- B. Artificial magnets can be made from iron or other materials
- C. All magnets are made of plastic
- D. Natural magnets are used only in toys (B)

**Explanation :** Artificial magnets are made from iron or other suitable materials.

5. Which set shows common shapes of magnets?

- A. Cube, sphere, cone
- B. Bar, U-shaped, ring
- C. Hexagon, cylinder, pyramid
- D. Spiral, lattice, grid (B)

**Explanation :** Bar, U-shaped, and ring magnets are shown as typical shapes.

6. Which is an example of magnets used in daily life?

- A. Cloth bag strap
- B. Magnetic duster on the school writing board
- C. Wooden pencil box latch
- D. Clay pot lid (B)

**Explanation :** A magnetic duster is given as a daily-life example where magnets are used.

7. In the activity for exploring materials, what is one of the first steps?

- A. Predict which objects will stick to a magnet
- B. Heat each object gently
- C. Dissolve objects in water
- D. Weigh each object on a balance (A)

**Explanation :** The activity begins by predicting which objects will be attracted to a magnet before testing.

8. How is a non-magnetic material identified?

- A. It repels a magnet strongly
- B. It is not attracted to a magnet
- C. It glows near a magnet
- D. It produces electricity (B)

**Explanation :** Non-magnetic materials do not get attracted when a magnet is brought near.

9. Where are magnets commonly found as shown?

- A. Toys
- B. Cooking oil bottles
- C. Wool sweaters
- D. Soil samples (A)

**Explanation :** Examples include toys, fridge magnets, pencil boxes, and school lab equipment.

10. Plastic is a magnetic material.

- A. True
- B. False
- C. Only when wet
- D. Only at high temperature (B)

**Explanation :** Most plastics are listed as non-magnetic and do not stick to magnets.