

CHAPTER-5 | Exploring Force

QUIZ
PART-04

1. Magnetic force acts:

- A. With contact
- B. Without contact
- C. Only in water
- D. Only in air (B)

Explanation: Magnets act from distance.

2. Like poles:

- A. Attract
- B. Repel
- C. Ignore
- D. Vibrate (B)

Explanation: Similar poles repel.

3. Unlike poles:

- A. Repel
- B. Attract
- C. Float
- D. Melt (B)

Explanation: Opposite poles attract.

4. Electrostatic force is produced by:

- A. Charged bodies
- B. Sound
- C. Heat
- D. Water (A)

Explanation: Static charge creates force.

5. Rubbing balloon creates:

- A. Heat
- B. Static charge
- C. Magnet
- D. Mass (B)

Explanation: Friction transfers electrons.

6. Two charged balloons repel because:

- A. Opposite charges
- B. Same charges
- C. No charge
- D. Heat (B)

Explanation: Like charges repel.

7. Magnet attracts:

- A. Plastic
- B. Wood
- C. Iron
- D. Cloth (C)

Explanation: Iron is magnetic.

8. Non-contact force means:

- A. Needs touching
- B. No touching
- C. Needs pressure
- D. Needs rope (B)

Explanation: Acts without contact.

9. Compass needle works due to:

- A. Gravity
- B. Magnetism
- C. Friction
- D. Heat (B)

Explanation: Earth acts like magnet.

10. Static electricity produces:

- A. Contact force
- B. Non-contact force
- C. Muscular force
- D. Friction only (B)

Explanation: It acts from distance.