

CHAPTER-5 | Exploring Force

QUIZ
PART-02

1. Contact forces act when objects:

- A. Are apart
- B. Touch each other
- C. Float
- D. Vibrate (B)

Explanation: Physical contact is required.

2. Muscular force is produced by:

- A. Heart
- B. Muscles
- C. Magnet
- D. Battery (B)

Explanation: Muscle contraction produces force.

3. Walking involves:

- A. Magnetic force
- B. Muscular force
- C. Gravitational force
- D. Electrostatic force (B)

Explanation: Muscles enable walking.

4. Lifting a bag shows:

- A. Friction
- B. Muscular force
- C. Gravity
- D. Magnetism (B)

Explanation: Muscles help lift objects.

5. Muscles work by:

- A. Melting
- B. Vibrating
- C. Contracting and elongating
- D. Freezing (C)

Explanation: Contraction produces force.

6. Animals use muscular force for:

- A. Sleeping
- B. Movement
- C. Floating
- D. Magnetism (B)

Explanation: Muscles enable motion.

7. Heart pumping blood uses:

- A. Magnetic force
- B. Muscular force
- C. Friction
- D. Gravity (B)

Explanation: Heart muscles contract.

8. Direct contact force uses:

- A. Rope
- B. Stick
- C. Hands
- D. Air (C)

Explanation: Hands directly apply force.

9. Muscular force is example of:

- A. Non-contact force
- B. Contact force
- C. Electric force
- D. Magnetic force (B)

Explanation: It requires physical touch.

10. Contact force stops acting when:

- A. Contact ends
- B. Object moves
- C. Air flows
- D. Light appears (A)

Explanation: No contact means no force.