

## CHAPTER-10 | Light: Mirrors and Lenses

QUIZ  
PART-04

1. Parallel rays on plane mirror remain:

- A. Converging
- B. Diverging
- C. Parallel
- D. Bent (C)

*Explanation:* Plane mirror keeps beams parallel.

2. Concave mirror makes parallel rays:

- A. Diverge
- B. Converge
- C. Scatter
- D. Disappear (B)

*Explanation:* Concave mirrors converge rays.

3. Convex mirror makes parallel rays:

- A. Converge
- B. Diverge
- C. Stay same
- D. Stop (B)

*Explanation:* Convex mirrors spread rays.

4. Concave mirror can burn paper because:

- A. It reflects heat
- B. It focuses sunlight
- C. It absorbs light
- D. It bends light (B)

*Explanation:* It concentrates light at one point.

5. Solar concentrators use:

- A. Convex mirror
- B. Plane mirror
- C. Concave mirror
- D. Prism (C)

*Explanation:* Concave mirror focuses sunlight.

6. Shape of mirror affects:

- A. Law
- B. Direction of rays
- C. Colour
- D. Speed (B)

*Explanation:* Mirror shape changes ray path.

7. Plane mirror does not:

- A. Reflect
- B. Change beam nature
- C. Focus
- D. Show image (C)

*Explanation:* Plane mirror doesn't converge rays.

8. Convex mirror image nature:

- A. Converged
- B. Diverged
- C. Focused
- D. Parallel (B)

*Explanation:* It diverges reflected rays.

9. Concave mirror used in solar furnace because:

- A. Wide view
- B. Focus energy
- C. Small image
- D. Light scatter (B)

*Explanation:* It concentrates energy.

10. All mirrors follow:

- A. Different laws
- B. Law of refraction
- C. Laws of reflection
- D. No law (C)

*Explanation:* Laws are universal.