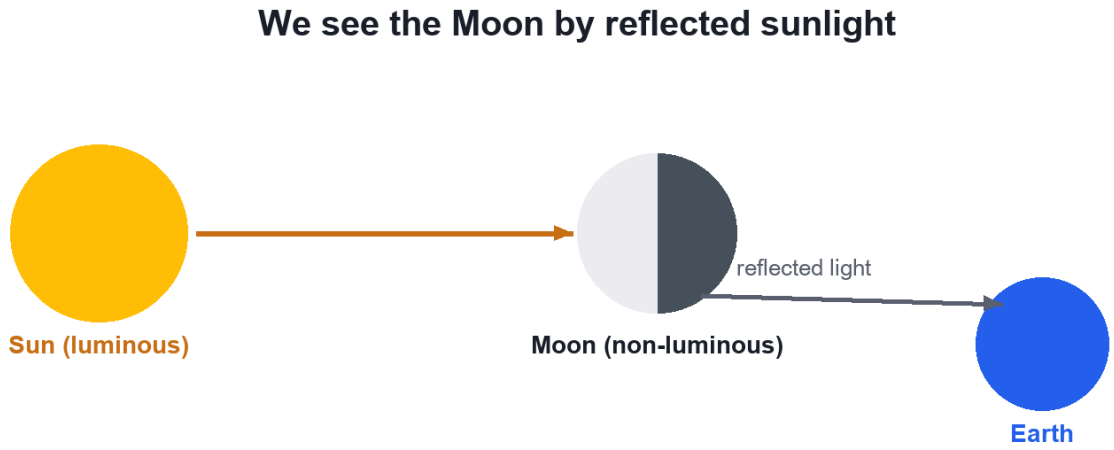
Reflection of Light

Class 10 Physics · Chapter: Light – Reflection and Refraction
🎬 **Video explanation (PrayogX reel):** https://www.instagram.com/reel/DfGokTRjheb/

---

1. The Moon puzzle

The Moon makes no light of its own, yet it looks bright at night: sunlight falls on it and is reflected to our eyes.



2. Definition

Reflection of light: when light falls on a surface and returns into the same medium.

3. Luminous and non-luminous objects

Type	Meaning	Examples
Luminous	Give out their own light	Sun, bulb, candle flame
Non-luminous	Do not give out light; seen by reflected light	Moon, book, wall, our face

4. The dark-room test

In a closed dark room, switch the bulb off: even a white wall becomes invisible. No light, no reflection; no reflection, nothing seen.

5. Key takeaways

- Reflection returns light into the same medium.
- Non-luminous objects are seen only by reflected light.
- Polished surfaces like mirrors reflect most of the light falling on them.

Practice questions (CBSE style)

1. Define reflection of light. (1 mark)
2. Classify as luminous or non-luminous: Sun, Moon, candle flame, book. (1 mark)
3. How do we see the Moon at night? (2 marks)
4. Why can we not see a white wall in a completely dark room? (2 marks)
5. Which surface reflects more light: a polished steel plate or a sheet of black paper? Why? (2 marks)

Answer key with worked solutions

1. When light falls on a surface and returns into the same medium, it is called reflection of light.
2. Luminous: Sun, candle flame. Non-luminous: Moon, book.
3. Sunlight falls on the Moon and is reflected towards the Earth into our eyes.
4. No light falls on the wall, so no light is reflected into our eyes.
5. The polished steel plate: smooth, shiny surfaces reflect most of the light falling on them, while black paper absorbs most of it.