

Science Assignment for Class 10

Science Assignment Submission

Name: Ronil Shrestha

Class: 10

Subject: Science

Chapter: Light - Reflection and Refraction

Assignment Title: Understanding Reflection of Light

Objective:

To explore and verify the laws of reflection using a practical activity.

Activity Performed:

- 1. Gathered materials: a plane mirror, white paper, protractor, pencil, and laser light.
- 2. Placed the mirror vertically on a sheet of white paper and outlined its base.
- 3. Directed the laser light at an angle toward the mirror and traced both the incident and reflected rays.
- 4. Measured the angle of incidence and angle of reflection using a protractor.
- 5. Repeated the activity for three different angles of incidence.

Observations:

Trial Angle of Incidence Angle of Reflection			
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1	30°	30°	
2	45°	45°	

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3	60°	60°	
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Conclusion:

The angle of incidence is always equal to the angle of reflection, which supports the laws of reflection.

Through this experiment, I verified that the laws of reflection hold true for all the angles tested.

Submitted by:

Ronil Shrestha