

PROJECT WORK-2
REFLECTION OF LIGHT AT CURVED SURFACES

Some items to be given as project work for class-10 students.

They can do any one of the following. The report should be in at least two A4 pages.

1. Collect information about the history of spherical mirrors in human civilization. Display it in your class room.
2. Think about the objects which act as a concave or convex mirrors in your surroundings. Make a table and display it in your class room.
3. How will our image be in concave and convex mirrors? Collect photographs and display in your class room.
4. Draw the ray diagrams for the formation of images by a concave mirror when an object placed at the following places.
(a) At infinite distance (b) beyond 'C' (c) at 'C' (d) between 'C' and 'F' (e) at 'F' (f) between 'F' and 'P'. Also interpret the size and properties of image.
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5. Draw the ray diagrams for the formation of images by a convex mirror when an object placed at the following places.
(a) At infinite distance (b) between infinity and Pole.
Also interpret the size and properties of image.
6. Make a model of Solar cooker by using card board box, Aluminium foils and transparent sheets, steel box, black colour paint.
7. Collect photographs from your daily life where you use convex and concave mirrors and display in your class room.

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