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STUDY MATERIAL SCIENCE

CLASS-VI

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► Light, shadow, Reflection

A smooth surface (a highly polished surface) reflects a parallel beam of light incident upon it in one direction. (Fig. 13.6).

A good example of a smooth surface is a mirror. When you stand in front of a mirror, you can see yourself in the mirror. This is called your **image**.

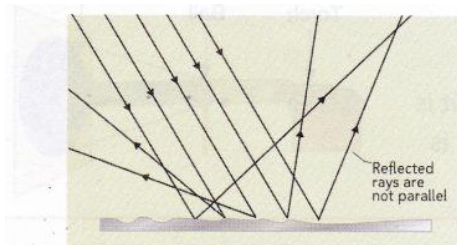


Fig. 13.5 Reflection from a rough surface

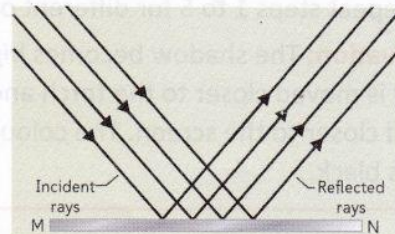


Fig. 13.6 Reflection from a smooth surface

A very interesting phenomenon occurs when an object forms an image by reflection. This is something all of us must have noticed while seeing ourselves in the mirror.

When we lift our right hand, the image in the mirror appears to lift its left hand. This seeming left-right reversal is called **lateral inversion**.