Experiment 4.6: Reflection from plane mirrors

Discussion

1 Why was the back edge and not the front edge of the plane mirror lined up on the pencil line?

Light reflects off the reflective surface on the back of the mirror rather than the glass front of the mirror.

2 Compare your angles of incidence to your angles of reflection. Do they support the Law of Reflection?

Student answers will vary.

3 List some sources of error in this experiment.

Student answers will vary. Possible errors include the accuracy of the protractor, parallax error, thickness of the pencil used to draw the angle and wideness of the light ray.