

CurriculumVisions Lesson

Students: fill in next to the word answer and return the document for assessment.

Science Book: How we see things (6F)
Pages 4-11

Everything here is based on our Curriculum Visions book How we see things (6F).

In this segment, we are going to learn about light rays, shadows and how different types of mirrors work.

Part 1

You will need to go to pages 4-5 of the book. List three sources of light. What direction does light travel from each of the sources?

Answer.....

Answers could include lamp, Sun, torch, etc. The light always moves in a straight line, no matter the source.

Part 2

Go to pages 6-7. How is a shadow different from a silhouette? Use a torch and practice casting a shadow. Can you also make a silhouette?

Answer.....

A shadow is caused when an object blocks the lights rays. A silhouette is a dark shape or outline against a brighter background.

Part 3

You will need to go to pages 8-9 of the book. In the illustration below, draw the path that light might take from the ball to the eye.

ball

eye

mirror

Answer.....

Part 4

Go to pages 10-11. Take a curved mirror, such as a spoon. Which is the convex side? Which is the concave side? Look at some objects in your mirror - can you make them seem larger or smaller by using different sides of the mirror?

Look around your house or school. Can you find any curved mirrors?

Answer.....

The convex side bulges, the concave side is dished (curves in).

If you are interested in this topic continue to browse the book and watch our amazing videos. They start right on the book cover.

