

Nova's Light and Shadow Lab

Learning objective: To identify that light is needed in order to see things and that light travels from a source.

Read each question carefully. Use the word bank to help you complete your sentences. Remember, Nova the owl needs light to see in the dark!

Word bank: Light · Source · Dark · Shadow · Sun · Reflect

1. Nova is looking for her book in the night. Why does she need a torch to see it? (2 marks)

2. Name one natural light source that gives us light during the day. (1 mark)

3. What happens to the light when it hits an object it cannot pass through? (2 marks)

4. Complete the sentence: We cannot see anything in total _____ because there is no light to _____ off the object and into our eyes. (2 marks)

Draw: Draw a picture of a torch shining on a toy. Draw the shadow that the toy makes behind it.



Extension challenge: Nova wants to know: If you go into a room with no windows and turn off all the lights, can you see your own hand? Tell a partner why or why not.