

Nova's Night-Time Light Study

Learning objective: To understand that we need light to see things and that light reflects from surfaces.

Read the text carefully. Use the word bank to help you understand the words. Answer the questions in the spaces provided.

Nova the owl loves to fly at night. She has excellent eyes, but she still needs light to see. Nova knows that she cannot see anything in total darkness. She needs a light source, like the bright moon or the twinkling stars, to help her see the world below. When light hits an object, like a shiny leaf or a smooth pebble, the light bounces off it. This is called reflection. The light travels from the object into Nova's eyes. This allows her to spot a tasty snack or find her way back to her tree. If Nova hides in a deep, dark cave, no light can get in. Because there is no light to reflect off the walls, she cannot see a thing! Nova reminds us that light is very important. Without light, our eyes have nothing to collect. Whether it is a lamp in your bedroom or the sun in the sky, light helps us explore our world safely.

Word bank: Reflection: Light bouncing off a surface. · Source: Where light comes from. · Dark: When there is no light. · Surface: The top or outside of an object.

1. What are two examples of a light source mentioned in the text? (2 marks)

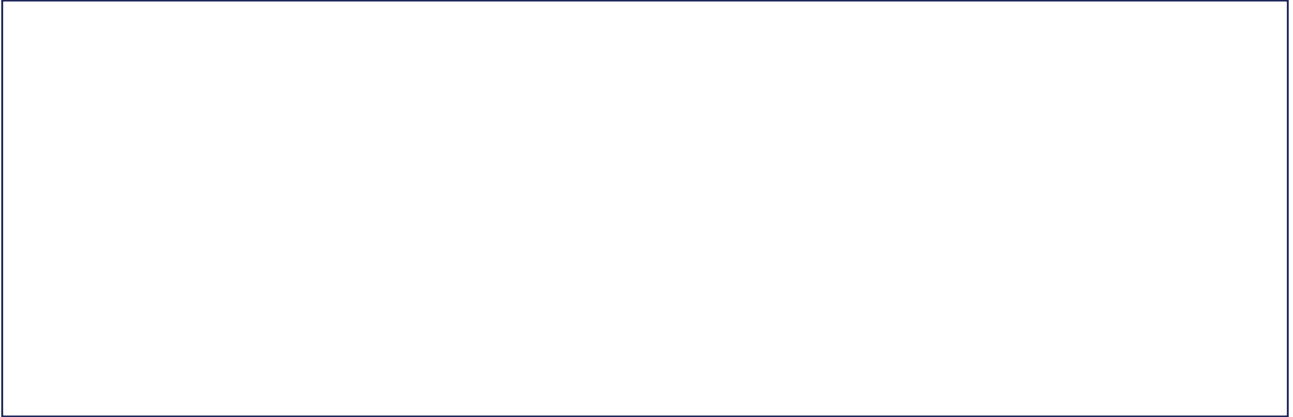
2. What happens when light hits a shiny object like a leaf? (2 marks)

3. Why can Nova not see anything inside a deep, dark cave? (2 marks)

4. Why do you think Nova needs to be able to see well at night? (2 marks)

5. Do you think light is important for humans? Explain why. (2 marks)

Draw: Draw a picture of Nova the owl sitting on a tree branch at night. Make sure to draw a light source (like the moon) and show light rays hitting an object.



Extension challenge: Find three objects in your classroom that reflect light well and three that do not. Write a list of your findings.