

Nova's Light and Shadow Discovery

Learning objective: To identify that light travels in straight lines and that shadows are formed when light is blocked by an opaque object.

Follow the steps below to draw a scene with Nova the owl. Use the word bank to label your diagram.

Draw: Draw a scene featuring a torch shining light towards a ball. The style should be clear and simple, like a science diagram. Include Nova the owl standing to one side, looking at the shadow. Use a ruler to make sure your light ray is a perfectly straight line.



Label words: Light source · Light ray · Opaque object · Shadow

Steps:

1. Step 1: Draw a bright torch on the left side of the page. Draw a straight line coming from the torch. This is the light ray.
2. Step 2: Draw a small ball in the middle of the page. This is an opaque object.
3. Step 3: Draw a dark shape behind the ball. This is the shadow.
4. Step 4: Use the words from the word bank to label your drawing.