

Nova's Bright Light Quiz

Learning objective: To identify light sources, understand how light travels, and explain how shadows are formed.

Hello! I am Nova the owl. I love the stars! Please help me answer these questions about light. Read each question carefully. Use the word bank if you get stuck.

Answer Key: 1. A (Sun), 2. True, 3. False, 4. A (Opaque), 5. Reflection, 6. False, 7. Light source, 8. True, 9. Transparent, 10. B (Straight).

Word bank: Light source · Shadow · Reflection · Transparent · Opaque · Darkness · Sun

1. 1. Which of these is a natural light source? A) The Sun* B) A mirror C) A book D) A chair (1 mark)

2. 2. True or False: We need light to see things. (1 mark)

3. 3. True or False: Shadows are made when light shines through an object. (1 mark)

4. 4. What do we call an object that blocks light completely? A) Opaque* B) Clear C) Glass D) Water (1 mark)

5. 5. What happens when light bounces off a shiny surface like a mirror? (One word answer) (1 mark)

6. 6. True or False: Mirrors produce their own light. (1 mark)

7. 7. A light bulb is an example of a _____. (Two word answer) (1 mark)

8. 8. True or False: A shadow changes size if you move the light source closer or further away. (1 mark)

9. 9. A window lets light through. It is _____. (One word answer) (1 mark)

10. 10. How does light travel? A) In circles B) In straight lines* C) In zig-zags D) In waves (1 mark)

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



Extension challenge: Nova wants to know: If you are in a room with no windows and you turn off the light, can you still see? Write one sentence to explain why.