

Light Path Detectives

Teacher-led observations of light passing through, being blocked, and making a shadow.

K.8.B "demonstrate and explain that light travels through some objects and is blocked by other objects, creating shadows."

NAME _____

DATE _____

Teacher: this page is run aloud. The script and answers are on the guide page.

1 CIRCLE IT _____

a	through	blocked	shadow
b	through	blocked	shadow
c	through	blocked	shadow

2 MATCH IT _____

window	•	•	shadow
book	•	•	through
hand	•	•	blocked

HOW TO RUN THIS PAGE

Use a bright classroom window, a book, a hand, and a white sheet of paper to lead the observations. Let children watch each test, say what they notice aloud, and then make their marks. This sheet records observations of light moving through an object, being stopped, and making a shadow.

Students never read directions on this sheet. Read each part's script aloud, then each prompt, giving think time before students mark.

PART 1 • CIRCLE IT

SAY “Watch each test with our window light, book, hand, and white paper. I will read the three words in each row. Circle the word that matches what you see, then tell me what you saw.”

ROW	SAY	STUDENTS CIRCLE
a	Look through the classroom window. The words are through, blocked, shadow. What happens to the light at the window? Circle the word that matches what you see.	through
b	Watch me hold the book between the window and the white paper. The words are through, blocked, shadow. What happens to the light when it meets the book? Circle the word that matches what you see.	blocked
c	Watch me hold my hand between the window and the white paper. The words are through, blocked, shadow. What do you see on the paper? Circle the word that matches what you see.	shadow

PART 2 • MATCH IT

SAY “Think about the three tests we watched. I will read the words on the left and the words on the right. Draw a line from each left word to the right word that tells what we observed.”

- **window** matches **through**
- **book** matches **blocked**
- **hand** matches **shadow**

WHAT TO ACCEPT

Circle-row answers are through, blocked, shadow. Match window to through, book to blocked, and hand to shadow. Accept oral explanations such as, “Light goes through the window,” “The book blocks light,” and “My hand makes a shadow.”