

Light Helps Us See

Teacher-led observations show how light helps us see an object.

1-PS4-2 "Make observations to construct an evidence-based account that objects can be seen only when illuminated. Clarification Statement: Examples of observations could include those made in a completely dark room, a pinhole box..."

NAME _____

DATE _____

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

1 LOOK CLOSELY _____

a	YES	NO	MAYBE
b	YES	NO	MAYBE

2 USE EVIDENCE _____

a	LIGHT	DARK	NOTHING
b	NO	YES	MAYBE

HOW TO RUN THIS PAGE

Use a paper clip, white paper, and the classroom lights. Let students observe the paper clip under the lights, then make the room completely dark in a safe way for your class and repeat the observation. Read every prompt and choice aloud as students mark their answers.

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

PART 1 • LOOK CLOSELY

SAY “We will look at the same paper clip in two different light conditions. Keep your feet still while we make the room dark, and use your eyes to observe.”

ROW	SAY	STUDENTS CIRCLE
a	Look at the paper clip on the white paper while the classroom lights are on. Can you see it? I will read the choices: yes, no, maybe. Circle one.	YES
b	Now look at the paper clip after I turn off the lights and make the room completely dark. Can you see it? I will read the choices: yes, no, maybe. Circle one.	NO

PART 2 • USE EVIDENCE

SAY “Now I will turn the classroom lights on again. Look at the paper clip, then use what you observed to answer each question.”

ROW	SAY	STUDENTS CIRCLE
a	What was added when you could see the paper clip again? I will read the choices: light, dark, nothing. Circle one.	LIGHT
b	The classroom lights shine light on the paper clip. Does that light help you see the paper clip? I will read the choices: no, yes, maybe. Circle one.	YES

WHAT TO ACCEPT

Expected answers in row order are YES, NO, LIGHT, YES. Accept the second-row NO only when students observed the paper clip in a completely dark space.