

Notice and Solve

Students use observations to predict and connect classroom problems to helpful tools.

1.1.a “asking questions and defining problems ask questions and make predictions based on observations identify a simple problem that can be solved through the development of a new tool or improved object”

NAME _____

DATE _____

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

1 NOTICE _____

a	YES	NO	MAYBE
b	YES	NO	MAYBE

2 SOLVE IT _____

a	LOOSE	WET	DARK
b	RULER	CLIP	ERASER
c	TAPE	CLIP	STOOL

HOW TO RUN THIS PAGE

Read every choice aloud and pause so students can make one clear circle. Students first use what they observed to predict, then identify a problem and a tool or improved object that could help solve it.

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

PART 1 • NOTICE

SAY “Watch me push a book across the table, then watch me set a pencil on a flat table without pushing it. Listen to each question and circle the answer that matches your prediction.”

ROW	SAY	STUDENTS CIRCLE
a	You saw the book move when I pushed it. If I push it again, do you predict it will move? I will read the choices: yes, no, maybe. Which choice matches your prediction?	YES
b	You saw the pencil stay still when I did not push it. If I do not push it again, do you predict it will roll? I will read the choices: yes, no, maybe. Which choice matches your prediction?	NO

PART 2 • SOLVE IT

SAY “Listen as I describe a classroom problem and read each choice. Ask yourself what problem needs solving or which tool could help, then circle your answer.”

ROW	SAY	STUDENTS CIRCLE
a	Two papers slide apart when you pick them up. I will read the choices: loose, wet, dark. Which word names the problem that needs solving?	LOOSE
b	You want two papers to stay together. I will read the choices: ruler, clip, eraser. Which object could be made or used as a tool to solve this problem?	CLIP
c	A book is too high to reach on a shelf. I will read the choices: tape, clip, stool. Which object could be made or used as a tool to solve this problem?	STOOL

WHAT TO ACCEPT

Part 1 answers are YES, then NO. Part 2 answers are LOOSE, CLIP, then STOOL; accept a clearly circled intended choice.