

Pill Bug Proof

Use words, numbers, and a table to share science observations.

2.1.f “obtaining, evaluating, and communicating information communicate observations and data using simple graphs, drawings, numbers, speech, and/or writing”

NAME _____ DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline each sentence that tells what Maya saw or learned, and circle every number in the passage and data table. These marks show how words and numbers communicate observations.

Where Did the Pill Bugs Go?

- ① During science time, Maya's class watched four pill bugs in two trays. One tray held dry paper. The other held damp paper. After ten minutes, Maya saw three pill bugs under the damp paper. One pill bug stayed under the dry paper. She wrote what she saw in her notebook.
- ② Next, the class counted where the pill bugs were at the end of three tests. They put the counts in a table. A table uses numbers to share data clearly. The numbers can help readers compare the dry tray and the damp tray in each test quickly.

PILL BUG COUNTS		
Test	Dry Tray	Damp Tray
1	1	3
2	0	4
3	1	3

- ③ The table shows more pill bugs in the damp tray in every test. Maya can write, "Pill bugs chose the damp paper more often." She can also draw a simple bar graph. Each bar would show a tray, and the taller bar would show the larger total of pill bugs for that tray.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 What did Maya see after ten minutes? Use numbers and words.

2 At the end of all three tests, how many pill bugs were in each tray?

3 What could Maya draw to show the larger total, and what would a taller bar mean?

3 YOUR TURN _____ Your own words

Choose 10 small, safe classroom objects. Sort them into three color groups, then fill in the table with each color and its count. Your three counts must equal 10.

COLOR GROUP	NUMBER OF OBJECTS

PART 1 • READ AND MARK

Underline each sentence that tells what Maya saw or learned, and circle every number in the passage and data table. These marks show how words and numbers communicate observations. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	What did Maya see after ten minutes? Use numbers and words.	She saw 3 pill bugs under the damp paper and 1 pill bug under the dry paper.
2	At the end of all three tests, how many pill bugs were in each tray?	There were 2 pill bugs in the dry tray and 10 pill bugs in the damp tray.
3	What could Maya draw to show the larger total, and what would a taller bar mean?	She could draw a bar graph. A taller bar would mean that tray had more pill bugs.

PART 3 • YOUR TURN (SAMPLE ANSWER)

COLOR GROUP	NUMBER OF OBJECTS
Blue	4
Red	3
Yellow	3

Accept equivalent wording for the observation and bar graph answers. For Part 3, accept any three color groups and accurate counts that add to 10.