

Question Detectives

Find questions that evidence can answer.

2.1.a.i “asking questions and defining problems ask questions that can be investigated”

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Circle each question the class can investigate. Underline words that tell what the class can observe, count, measure, or test.

Pill Bug Questions

- ① During recess, Ana saw pill bugs under a wet log. She wondered, “Do pill bugs choose dark places or bright places?” Her class could investigate this question. They could make two spaces, change the light, and count where the pill bugs go.
- ② Some questions are harder to investigate at school. “Are pill bugs happy?” does not tell what to observe or measure. A question works better when children can look, count, measure, or test something and collect evidence.
- ③ Ana changed her question to, “Which side of a choice box has more pill bugs after five minutes, the dark side or the bright side?” The class can count the pill bugs on each side. Their counts can help answer the question.

2 ANSWER WITH EVIDENCE Use the passage

1 Which question in paragraph 1 can the class investigate?

2 Why is "Are pill bugs happy?" hard to investigate?

3 What will the class count to collect evidence for Ana's changed question?

3 YOUR TURN Your own words

Think of two kinds of paper towel. Write one question you could investigate. In a second sentence, tell what you would observe, count, or measure.

PART 1 • READ AND MARK

Circle each question the class can investigate. Underline words that tell what the class can observe, count, measure, or test. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Which question in paragraph 1 can the class investigate?	"Do pill bugs choose dark places or bright places?"
2	Why is "Are pill bugs happy?" hard to investigate?	It does not tell what to observe or measure.
3	What will the class count to collect evidence for Ana's changed question?	They will count the pill bugs on each side of the choice box.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Which kind of paper towel soaks up more water? I can pour the same amount of water on each towel and measure the water left in a cup.

Accept questions that can be answered by observing, counting, measuring, or testing. For Your Turn, accept a clear investigable question and a matching plan for collecting evidence.